Uniplex

Release Notes

Version 9.00

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Introduction

This document accompanies the Uniplex Business Software Version 9.00 release and should be read in conjunction with the relevant portions of the Uniplex user guides and on-line technical guides.

If you are upgrading from a version of Uniplex Business Software older then Version 8.10 is is strongly recommended that you review the release notes of the intermediate releases, to see if any of the changes made will affect your installation or working practices.

If you are upgrading from Version 8.00, the Version 8.10 release notes are available on-line. If you are upgrading from Version 7.02, you should also obtain a copy of the 8.00 release notes, and if you are upgrading from Version 7.01, you should also obtain a copy of the 7.02 release notes.

As part of the Version 8.10 release, a User Guide Supplement was available detailing the new and enhanced features in that release. Your users could refer to that User Guide Supplement for the details of the new features and user interface changes made under Version 8.10. However these changes are being incorporated into the V9.00 edition of the *UNIPLEX II PLUS User Guide*.

With the exception of the Uniplex Installation Guide, the Uniplex technical guides are no longer available in printed form; the information they contained is now in a number of on-line manuals which are free with the product. These release notes document the configuration changes and précis the changes at a functional level. However, details of the user interface and examples of the use of these features are covered in the *UNIPLEX II PLUS User Guide*.

It is assumed that you are conversant with your operating system and are competent to alter system files using the Uniplex Word Processor or a system editor; if this is not the case, do not attempt any of the tasks detailed in this document.

Although this document is produced by Uniplex Limited, if it has come to you by way of your dealer or distributor, they should always be contacted for any further information.

Each copy of Uniplex is accompanied by a printed Release Note Supplement which can include important information concerning the installation and operation of Uniplex on your particular computer. Please read the Release Note Supplement before reading this guide.

Further information about Uniplex, and its products, particularly UBS, can be accessed on our website at `http://www.uniplex.com`.

Product Status Records Numbers

All changes to Uniplex are recorded and controlled using a database of Product Status Records (PSRs), which are used extensively in this document.

The appendix *Changes made in Version 9.00* lists appropriate records in PSR number order within alphabetically sorted topic areas.

To simplify looking them up in the appendix, when a PSR reference is quoted in the main sections, it is shown in the form: PSR XX:99999

where:

XX   is the topic code
99999   is the number

For example, PSR WP:33858 is towards the end of the list.

Documentation Set

The following printed documentation is available:

1   Uniplex II Plus User Guide.
2   Uniplex Advanced Office System User Guide.
3   Uniplex Advanced Graphic System User Guide.
4   Uniplex Version 9.00 Installation Guide

In addition, the following on-line documentation is available:

1   Uniplex Technical Guide.
2   Uniplex Device Configuration Guide.
3   Uniplex Form-Building Tools guide.
4   Uniplex Quick Reference Pages - Portrait and Landscape.
5   Shortcut Keys keystrip.
6   These Release Notes.
7   The Release Notes for Uniplex Version 8.10.

The on-line guides contain the information previously found in the printed Uniplex technical guides. These printed guides are no longer available; the information from them has been distributed as follows:

o   **Uniplex Technical Guide**: The bulk of the Uniplex Configuration Guide can now be found in this guide. Relevant parts of the Administration Guide can also be found here.

You should refer to the appendix *Program Usage and Invocation* for up-to-date information on the Uniplex programs in this release.

o   **Uniplex Form-Building Tools guide**: The greater part of the Uniplex Administration Guide can now be found in this guide.

o   **Uniplex Device Configuration Guide**: The chapters: "Configuring Terminals" and "Configuring Printers" from the Uniplex Configuration Guide can now be found in this guide. Relevant parts of the Uniplex Windows Configuration Guide can also be found here.

The on-line documentation, including these Release Notes, can be accessed as follows:

-    From the System Administration menu or the Help menu in File Manager, select **On-line Documentation**.

The On-line Documentation screen appears from which you can choose to read a document with the Uniplex Word Processor, or print all or a range of pages of a document.

User Interface Notes and Changes

This release of Uniplex has introduced some new and enhanced features to the product. A brief description of these user interface changes that have not been described in other sections of this document are described below. For further details, refer to the updated *Uniplex II Plus User Guide.*

Word Processor

The Word Processor control for keeping paragraphs together, the **.PM** command, has been extended. As an alternative to specifying the number of lines required, one can now request that the next paragraph (**.PM0**), or all the lines within a block (**.PMS**, **.PME**), are kept together (PSR WP:8126). **Please note** that for performance reasons the Word Processor **does not** attempt to reposition its page breaks indicators, they are only *serviced* at print time.

The various spelling tools, *for Verification, Hyphenation and Thesauri*, used within the word processor, and printing, have all been overhauled for this release. The functional effects of this are:-

*   Portuguese and Finnish dictionaries are now available

*   Words from the User's Supplementary Dictionary are now included in the search for suggested spellings of mis-spelt words.

Unfortunately the revised **binary** formats are incompatible with those from before V9.00. As supplementary verification dictionaries contain text, any existing user supplementary dictionaries are still usable. However user's who have added *Hyphenation Exceptions* will have to create a text list of those changes, using the *hyusbuild* program in the old installation, for resubmission to the V9.00 installation using the V9.00 version of *hyusbuild*. This is done automatically by the installation upgrade program.

The experienced Uniplex user may also note that the default Word Processor mode, on a new V9.00 installation will display Line&Column count rather than Line Count (PSR WP:33813).

Spreadsheet

The Spreadsheet now includes the ability to automatically save the spreadsheet being worked on (PSR SS:7583). **Please note** that this facility is controlled by the same control as the Word Processor's Autosave.

The menu option *File -> Option* reports the current save format, and the status of the autosave facility. This information is also available using the text command `view opt 2`.

Screen Builder, Formfill Manager

Previously, there were various limitations on the complexity of a form: 80 lines of display, 80 fields, 250 map statements, and 250 command lines. These limits applied to the whole of a multi-screen form.

Now, the number of fields in a form is only limited by the number that can be fitted in the 80 lines of display, and the numbers of map statements and command lines are only limited by the memory size and disc space of the system (PSR SCR:10773, 30426 and 31049).

onGO Office Character Clients

The onGO character Clients are not included in this release. The versions released with Version 8.10, or 8.00, will continue to work, when V9.00 is installed as an upgrade.

The New Euro Currency Sign

The new European currency will be the 'euro', and the sign for a euro looks like a C with an equals sign ('=') in the middle.

The details of how to include this new Euro sign within information technology standards are only just being decided. Uniplex has not incorporated any changes in Version 9.00, but we suggest that users wishing to use the new sign should make these changes:

```
Tcap:  MAP=0,128,'E'                    * Euro sign
Pcap:  MAP=128,67-8-61                  * Euro sign
uniplex.cmd:  M128=K20-'e='             * Euro sign
```

For PostScript printers a different change to Pcap is required (because -8- does not cause overprinting). We suggest using

```
MAP=128,')EURO('
```

and adding the following to filters/PostScript

```
% Euro sign (the European Commission design)
%          with the same width as a digit
/EURO
{TE
gsave
XY translate
SPwid 12 div dup scale
1 setlinewidth
-2 0 moveto 11.33 0 lineto 11.33 3 lineto 8.747 3 lineto
12.488 12 lineto 1.99 12 lineto -0.504 6 lineto 0.494 6 lineto
closepath clip newpath
7.5 6 5.5 40 320 arc stroke
-1 7 moveto 12 0 rlineto stroke
-1 5 moveto 11 0 rlineto stroke
grestore
} bind def
```

Changes are also be required to Fcap to define the size for character 128 (at least for fonts which have different DIGIT and OTHER sizes). It should be same as the DIGIT size, that is the same as character 48 (the digit 0).

There may be other printer types which need special treatment, or it may be desirable to produce output that looks better than an overprinted C and =.

Installation Changes

The installation and upgrade processes are described in the Uniplex Version 9.00 Installation Guide. There have been no significant changes from the V8.10 installation process.

- The Uniplex Business Software installable units are:

    1   Uniplex II Plus (BASE) (includes Uniplex Windows programs)
    2   Advanced Office System (AOS)
    3   Advanced Graphic System (AGS)
    4   Additional Dictionary Pack (ADP)
    5   Additional Peripherals Pack (APP)
    6   Converters (CONV)

- Uniplex Windows is no longer an installable or licensable module; the uterm and uxspawn display manager are now part of the BASE product.

- Advanced Graphic System (AGS) no longer requires a license; this module is now part of the BASE product. During installation, there is an option to not install AGS (although it can be added later, if required).

- Support for CD installation (where available).

Configuration Checks on First Invocation

As with all Uniplex releases, if you are upgrading from an earlier release, you may have local ($HOME/UAP) configuration files based on the earlier version. These can affect the functionality of Version 9, and so you are warned if any such files are found.

This check and warning are controlled by the content of the file **.UAP** in your home directory.

The commonest files that generate a warning are shown below. Unless stated otherwise, you can probably continue using them without a problem, and can arrange to update them at some later stage:

*.sk	Local compiled softkey files mean that some softkeys may not operate correctly.
uniplex.menu	A local menu file means that some new menu options will not be seen and some old ones may not work.
dbs/interfaces	The structure and content of this changed significantly in Version 8.10. Unless you remove this file, you are likely to have problems using Informix databases, and the File Manager will refuse to start with the message:

```
File Manager initialization failed.
```

uc/issi.rc	This is the compiled version of the file uc/issidefs; it is not compatible across Uniplex releases. The central version of this file is always re-compiled on upgrade, but any users with a local version (for example, to set a larger number of ROWS and COLS) will not be able to run. To re-compile this file, use the Shell Command on the main menu, enter the following command, and press **Return**:

cd $HOME/UAP/uc; ucbld issidefs

umail/umail.rc	In version Version 9.00 the MIME interface has added an extra section, and a new SYSMODE option. If the parallel changes are not made to this local copy, then the user will not be able to send mail out through the MIME Gateway.
.ui general/.cmp general/*.idx	These files contain the user interface and help definitions for the File Manager. Local versions that differ from the central ones can cause this application to fail.

Demonstration Mode Restrictions

When Uniplex has no valid license key, it operates in demonstration mode which results in the following restrictions:

Product Area	Restriction
Word Processor	Can only save 24 lines of text.
Spreadsheet	Cannot save any work, and can only read spreadsheets from "list" files.
Database	Can only select 50 records.
Mail	Can only mail to yourself.
Presentation Graphics	Cannot save any work.
Presentation Editor	Cannot save any work.
Graphics Printing	Cannot print high resolution graphics.
Time Manager	Cannot make bookings more than two days in the future.
Spell Checker	Cannot perform multi-lingual spell corrections without an ADP license.
File Manager	If a BASE license is not installed: - Move, Rename, and Delete file operations are disabled. - A maximum of 50 records can be found using a search. In addition, if the Uniplex Document Access license is not installed: - File Conversion is disabled. - You cannot use the **ufilepps** utility to define symbolically-linked (and other multiply-pathed) directories. - Only the **Home**, **Trashcan**, **Named**, and **Parent** options can be used from the Open Folder dialogue. Other options, such as **Personal Templates** and **Word Processing Keytapes**, may be visible, but cannot be selected.

Notes on Upgrading

Moving UBS onto a New System

General

Customers often request both an upgrade to the current release and a change of platform. It is far preferable to first upgrade the copy of Uniplex on the old platform to the current release, then install another copy of Uniplex at this current release on the new platform, and finally move the data files and any custom configuration changes to this new platform. This is sometimes not possible if the old platform is a discontinued system and a current copy of Uniplex is not available for it. That means a new installation must be performed on the new system and no upgraded files (as prepared by the standard upgrade utilities) will be available to move from the old system. It is still possible to both upgrade and switch platforms, but much more of the work must be done manually.

This section discusses all of the main issues to be considered when performing a system upgrade and how they must be dealt with manually if an automatic upgrade cannot be performed or if additional issues remain after such an upgrade has been done.

Configuration Files

The existing configuration should not be used as moving older configuration files to a new system will corrupt it. The best plan is to superimpose any customer-built features onto the new menus, softkeys, etc. Customers must realise that attempting to use .fn, .sk, .rc, .sys, .msg, etc. files from the old version will cause significant problems.

Customers typically change one or more of the following (in order of frequency):

1.   **Menus**. A standard Uniplex installation builds a file called uniplex.menu which holds all of the menus that are seen by users. This is the most common area which is altered. Alterations include:

   -   **Removing Menu Options** - Done for practicality or for security (i.e., to stop users from wandering into areas that management wants to keep secure).

- **Adding New Options** - Calling custom-designed Screen Builder applications, calling entirely new applications (e.g., companies often use Uniplex as an in-house menu system), or calling Uniplex functions with custom parameters.

- **Altering Existing Options** - For example, to change to a new directory before executing the Spreadsheet.

All of these changes are effectively lost when an upgrade takes place *(actually, any files that differ are saved in a special area in the Uniplex tree).* For this reason (and for others) we suggest that if possible, new versions should be run in parallel for a while so that custom changes can be migrated at the integrator's pace.

2. **Softkeys**. Softkeys are the functions that are called from the Function Keys. Like menus, softkeys are altered to remove, alter, or add options. Unlike the menu file there is one softkey file for each module and these files are compiled. Softkey files are a bit more complex to alter than menus, but are still a common configuration issue.

3. **Screen Builder (ufill) Screens**. ScreenBuilder screens are used throughout the Uniplex product and some customers feel the need to alter them to their own taste (i.e., altering print screens to only allow certain options).

4. **UNIPLEX.SYS, umail/UMAIL.RC, uc/ISSIDEFS, dbs/NTERFACES**. These files are designed to be altered to a customer's needs and are very simple to re-engineer.

The only way to find out if configuration files have been changed is to compare the current files against the original virgin copies (which may be hard to find without doing a new install of the old software somewhere else) using the Unix diff utility. Again, we strongly recommend that the two systems be run in parallel for an extended period until every user is sure that all existing functionality has been converted. This is also a good opportunity to review the changes that have accrued over the years and to ensure that it is really appropriate to continue bringing them forward.

Database Files

There is the potential that under some circumstances (particularly with high-level numeric fields), databases may not move between dissimilar systems and the database may need to be exported to ASCII files from the older system using the dbexport utility, then those files imported into the new machine's new database. This would be particularly true if the old system uses an Informix Version 2.xx database and the new system is Informix 5.xx or 7.xx. This is an unusual situation and occurs rarely, if ever.

Card Index

The .sch files for the Card Index are not portable between platforms. This can be a problem when upgrading to a new platform, which is the opposite-endian to the old machine, for example, from an Intel based architecture, to a Sparc based one. (PSR CI:33998)

A example of a workaround for the To-Do list is:

On the new machine, run To-Do to create a new todo.sch file and empty todo.dat and todo.idx files. Then copy the real todo.dat and todo.idx files from the old machine to the new machine.

Device Drivers

Changes/additions are often made to the device driver files (definitions for terminals, printers, and plotters) over the years. These driver configuration changes can be a little tricky to migrate and may require some custom consulting work from Uniplex.

Folio System

Folios will be lost if an upgrade is not performed using the standard installation procedure or the original release is prior to Version 7.02. The only way to handle this is to manually input any desired Folio information into File Manager on the new system. Folios have not been heavily used by most customers so this is not usually a major issue. An experimenter may like to investigate how the installation tool *.../UAP/install.cmds/ufmbuild* could be used in combination with a copy of the old folios database (*.../UAP/.ufo**). The commands:

```
/usr/bin/uniplex -run ufmbuild -u
```
Transfers data from the folios system to the Filemanager's Index database.

```
/usr/bin/uniplex -run ufmscan -r -a
```
Tidies up the Index database, in particular removing entries for files that do not exist on the system

are recommended in the Installation Guide. The extraction uses the ufomanager program to read the old folios database. The Program Usage section of the On-Line Technical Guide can tell you more about these programs.

Mail Database

Mail should continue to perform as normal once the data files are transferred. The diary.alarms file should be deleted if the system name is changing, but that should not be a problem. Systems with Time Manager will need a simple script to update the diary/diary/<username>.env files to reflect the correct system name.

Spreadsheets

A spreadsheet file is stored in the new Uniplex Portable Save File (PSF) format once it has been saved in Uniplex Version 8.10 or later. This applies to both new spread-sheets that have first been created in Version 8.10+ and also to existing spreadsheets created in an earlier version of Uniplex but opened and resaved in Version 8.10+. A PSF format spreadsheet file is a special format designed to be completely portable across hardware systems of different architectures.

New spreadsheets created in Uniplex Versions 7.02 through 8.00 are also stored in PSF format, but older spreadsheets opened and resaved in those releases are maintained in their original, non-portable format (OLD). They may be moved to the new format by either saving them in Version 8.10+ or by saving them in Versions 7.02-8.00 under a new file name. This creates a new file and uses the new PSF format. The original file in OLD format should then be deleted and the new file renamed to the original file name.

The format of a spreadsheet file may be checked by selecting Work-sheet/Modes/General which shows the Spreadsheet Details display. An entry in the <FILES> section shows the current save file name, if any, and indicates whether the PSF or OLD format is to be used for the next save operation.

A system running at Uniplex Version 7.01 or earlier will have completely non-portable spreadsheets which must be converted before changing systems. We can provide tools to automate most of the spreadsheet migration process so that spread-sheets are converted in bulk and moved as a block. This involves writing out each spreadsheet to an ASCII file as a macro (List File) which simply lists the individual commands and data elements. Each spreadsheet macro is then opened on the new system, rebuilt into a complete spreadsheet, and then saved in the new PSF format.

Note that beginning with Version 7.02 the Ucalcformat variable defines the format in which spreadsheets are saved and may be set to either the new PSF format or the non-portable OLD format. It is important to ensure that this variable has been set to use the PSF format before doing a conversion and discovering that the non-portable OLD format has been in use.

Dictionaries

The UBS Version 9.00 release includes upgrades to all three dictionary classes which means that the internal binary formats are not compatible with UBS releases prior to Version 9.00.

The Version 9.00 upgrade process replaces the older versions of any Uniplex-supplied dictionary files but will preserve any user-created supplementary verification files (which are named ve???[b-z]51.lex, but not ve???a51.lex). The upgrade will also create a list of any words (known as exceptions) that have been added to the pre-upgrade hyphenation base file (hy???a05.lex). These user hyphenation additions will then need to be added into the new hyphenation base for that language.

A user creating a Version 9.00 installation and then migrating from the old UBS system to the new one will need to do the following:

1.   Copy any supplementary dictionaries from the old system to the new; for example by using:

```
rcp <old_system:old_home>/UAP/dict/ve???[b-z]51.lex \
    <new_system:new_home>/UAP/dict/
```

Note that this will replace the "example" supplementary dictionaries (ve???b51.lex) that are created by the install process.

2.　　Create a listing of any hyphenation exceptions:

On the OLD UBS system (old_system):

```
cd <old_home>/UAP/dict
for DIAL_CODE in 001 002 ....... 049
do
    if test -f hy${DIAL_CODE}a05.lex
    then
        : NOTE this is the OLD hyusbuild being run
        hyusbuild -l -d ${DIAL_CODE} > temp
        sed "/->/s/^.*-> //" temp > exc_${DIAL_CODE}.lst
        rcp exc_${DIAL_CODE}.lst <new_system:new_home>/UAP/dict/
    fi
done
```

3.　　Re-apply the list to the new hyphenation base:

On the NEW UBS system (new_system):

```
cd <new_home>/UAP/dict
for DIAL_CODE in 001 002 ....... 049 351 358
do
    if test -f hy${DIAL_CODE}a05.lex -a -f exc_${DIAL_CODE}.lst
    then
        : NOTE this is the NEW hyusbuild being run
        hyusbuild -d ${DIAL_CODE} < exc_${DIAL_CODE}.lst
        mv exc_${DIAL_CODE}.lst exc_${DIAL_CODE}.dun
    fi
```

onGO Office Character Clients

As mentioned above the onGO Character Clients are not included within the V9.00 release. In an upgrade from V8.00 or V8.10 the necessary programs are preserved (although in an ongo.linked system some of them will have been moved from the UAP area into the (*soft linked*) NVO area). If the new V9.00 installation is to include the onGO Office Character Clients, the only reasonable method is to install V8.10, and then upgrade to V9.00.

Administration and Configuration Notes and Changes

Web Access to UBS

With the release of Version 9.00, Uniplex are also making available a Java Applet that can be used to access all the UBS functionality from within a Web Browser on a PC.

At present this is only available by downloading it. For up-to-date information please refer to the Uniplex Web site at `http://www.uniplex.com`

Command Line Interface to Uniplex Electronic Mail

New command line arguments -b*x* have been added to the usmail command (PSR EM:8830). These allow the Uniplex Electronic Mail program to be driven from the Unix command environment. Thereby the experienced customiser can easily incorporate sending mail into ufill scripts etc.

If any command line arguments are present, -**f** must also be present, and the mail is sent without any screen coming up (no video or tty initialization, and no access to the process table). Argument validation is as on the main screen (for example, at least one main addressee required, subject only optional if the user's preference allows this, etc).

New and modified arguments:

-**bt** *to_name*	Names of addressees as a comma-separated string.
-**bc** *to_name*	Names of CC addressees as a comma-separated string.
-**bb** *to_name*	Names of BCC addressees as a comma-separated string.
-**bs** *subject*	Subject text.
-**bm** *mailbox*	Destination mailbox.

-bos [y¦n]	Save copy of mail? With this and the following yes/no arguments, the argument must be qualified with a single lowercase character, "y" or "n". The default is the same as for the sending user's main send form.
-boc [y¦n]	Read verification ("certify") required?
-bor [y¦n]	Delivered verification ("registered") required?
-bon *999*	Send non-read notification after the specified number of days. Set to **0** to suppress non-read notifications. Default is as on the send form.
-bop *9*	Set the priority to the specified number. Default is as on the send form.
-bod *dd/mm[/yy[yy]]*	Defer send until this date (must be in dd/mm/yy format, regardless of the format used on the send form).
-f *file1 file2 ...*	The files to send. Several files can now be specified. If there are more than one, the second and subsequent ones become attachments. Also a hyphen can be used as a filename to mean use stdin.

The exit code from a **-b**x mode send is defined as:

0	All OK
1	Invalid or conflicting arguments (including unreadable *file*).
2	Invalid addressee
3	Send failed for some other reason.

Any non-zero exit code is accompanied by explanatory text on stderr.

The entire argument processing has been overhauled, so there are some effects even when the new **-b**x arguments are not used. The error reports on stderr for invalid arguments are better. Either of the **-f** or **-F** arguments can be used to specify several files (but the attachment list is limited to the size of the field on the send form), and a hyphen can be used to mean stdin.

Changes to udate

The **udate** utility program has been extended by adding some new command line options:

-Q *99999*	Date is this number of days since 1900 (the internal notation used by the Mailstore and Spreadsheet).
-d *date*	Date is as specified, in the format defined by DATEFMT in uniplex.sys.
-D *dd/mm/yy[yy]*	Date, in fixed format. A two-digit *yy* is interpreted according to DATEMODE in uniplex.sys.
-q *9999*	Time is this number of seconds since midnight (the internal notation used by the Mailstore).
-t *hh*:*mm*	Time in hours and minutes (the number of seconds is always zero).
-i [-]*999*	Use a date *999* days after (or before if **-i-***999*) the one that would be used if no **-i** specified.

For instance, when run on the 1st of January 2000, the command:
```
udate -i-1 +%d/%m/%y
```
will show
```
31/12/99
```

If the date is specified (**-Q**, **-d** or **-D**) but not the time (**-q** or **-t**), midnight (cf: **-t 00:00**) is assumed. If the time but not the date is specified, todays date is assumed (cf: **-D 'udate +%d/%m/%Y'**).

The optional **+***format* field also supports the following new **%** tokens:

%e	Day of month without zero padding (ie: 1st shows as "1", not "01" as it does with %d)
%f	Month number without zero padding
%Y	Year with century (4 digits)
19%y	Same as %Y (this is provided so that old scripts will continue to work in the year 2000)
%E	Date entry format (DATEFMT in uniplex.sys)
%O	Reserved (for a Printed Date format, DATEPRTFMT, in uniplex.sys)

%V	Week of the year (01 to 53). Weeks start on a Monday. Week 01 of a year is the week containing the first Thursday of the year, and it may include days of the previous year. The week before week 01 is the last week (52 or 53) of the previous year, even if it contains days of the new year. (See the ISO 8601:1988 standard).
%Q	Number of days since 1900 (value used in Uniplex Mailstore's internal integer date fields, and the Spreadsheet).
%q	Number of seconds since midnight (value used in Uniplex Mailstore's internal integer time fields)

Note: **%Y**, and **%V** mimic POSIX standards for the UNIX "date" command.

Change to umailexec

Because it is now easier to generate attachment lists up to the internal limit of 255 characters, and because these long lists may cause difficulties for remote systems running old Uniplex software, *umailexec* has been changed to convert attachment lists longer than 149 characters to "A0 A1 A2 ..." when doing a remote send. This conversion can be disabled by including the letter A in the SYSMODE string for the remote system.

MIME Gateway

A MIME gateway has been added to the Uniplex Electronic Mail system. (PSR EM:33971).

This allows messages encoded according to the Multipurpose Internet Mail Extensions standards to be sent or received. Using these standards, any data file can be sent as an attachment to a system that understands MIME-encoding, and 8-bit characters can be used in the text and subject of the message.

The gateway is controlled by the *UAP/umail/umail.rc* file. See the Technical Guide for the meaning of the letter M in the SYSMODE and MODE strings.

With a new installation, MIME-decoding is enabled for incoming mail, and there is a #SYSTEM entry called "mime" which can be used for sending MIME-encoded messages.

An upgrade installation adds the letter M to MODE, and adds a mime #SYSTEM entry. It also adds various HEADER_... keywords, and moves "To," from HEADER_IGNORE to HEADER_INFO. Users may notice that messages received from other UNIX systems now start with a "To: ..." header field. This is useful if the message was sent to more than one recipient; but if it is not wanted the *UAP/umail/umail.rc* file can be edited to move "To," back to HEADER_IGNORE.

With these default installations, an address of the form "mime>user@system.domain" is used to send mail via the gateway. If it is desired that all outgoing mail is MIME-encoded, the *UAP/umail/umail.rc* file can be edited to make the "mail" #SYSTEM entry like the "mime" entry (in particular by adding the letter M to SYSMODE). However the "mime" section should be retained, as it is needed for replies and auto-replies.

Uniplex-supplied Converters

Files can be converted from one format to another from File Manager. Also, when trying to open either a non-Uniplex Word Processor file or a text file, a copy of it can be automatically converted for reading.

The following lists the converters supplied by Uniplex. From the set of 42 converters, 38 offer full support (TO and FROM), 3 offer FROM only support, and 1 offers TO only support. For each TO and FROM converter, there are two binaries, and for each FROM-only converter, there is just one binary. For example, the code w4w01 is a F/T type (FROM and TO) and has the two binaries: w4w01f and w4w01t.

Code	Type	Description
w4w01	F/T	ASCII
w4w04	F/T	WordStar Vrs 3 - 7
w4w05	F/T	Microsoft Word Vrs 3 - 6
w4w06	F/T	WordPerfect Vrs 4.1, 4.2
w4w07	F/T	WordPerfect Vrs 5.0, 5.1
		WordPerfect for Windows Vrs 5.1, 5.2
w4w09	F/T	WordStar 2000, Vrs 3.0, 3.5
w4w10	F/T	MultiMate Vrs 3.3, 4
		MultiMate Advantage 3.6
		MultiMate Advantage II 3.7
w4w15	F/T	DCA Revisable Form Text
		DCA/RFT (DisplayWrite 5)
		DisplayWrite Vrs 2 - 5
w4w16	F/T	OfficeWriter Vrs 4 - 6.2
w4w18	F/T	Navy DIF (WordPerfect)
		Navy DIF (GSA)
w4w19	F/T	Microsoft Rich Text Format
		Microsoft Rich Text Format (ANSI)
		Microsoft Rich Text Format (Mac)
		Microsoft Rich Text Format (PC)
		Microsoft Rich Text Format (Codepage 850)
		Microsoft Rich Text Format - Vrs 1 (WinWord 2)
		Microsoft Rich Text Format - Vrs 1 (WinWord 2)
w4w20	F/T	Lotus 1-2-3 Vrs 1A-3
		Lotus 1-2-3 Vrs 4-5
w4w21	F/T	Microsoft Excel 2.1 - 7.0
w4w24	F/T	Lotus Manuscript Vrs 2.0, 2.1
w4w26	F/T	Wang PC 3.0
w4w30	F/T	Digital DX
w4w32	F/T	DCA Final Form Text

Code	Type	Description
w4w33		Ami Pro Vrs 3.1
		Professional Write Plus
w4w35	F/T	Interleaf Publisher 1.1 (ASCII)
w4w37	F/T	Uniplex onGO
w4w39	F	Microsoft Works 2.0
		Microsoft Works for Windows 3.0
w4w42	F/T	FrameMaker 3.0 - 5.0 (MIF)
w4w43	F/T	Windows Write Vrs 3.0, 3.1
w4w44	F/T	Word for Windows Vrs 1.x, 2.x
w4w48	F/T	WordPerfect 6.0x - 7.0
w4w49	F/T	Microsoft Word for Windows 6.0 - 7.0
		Microsoft Word for Macintosh 6.0
w4w51	F/T	MacWrite 4.5, 4.6, 5.0
w4w52	F/T	MacWrite II, Version 1.0, 1.1
w4w54	F/T	Microsoft Word for Macintosh 3.0, 4.0, 5.0-5.1
w4w59	F/T	WordPerfect Macintosh 1.0
w4w60	F/T	WordPerfect Macintosh 2.0 - 3.5
w4w101	F/T	Uniplex V7, V8 WP
w4w102	F/T	ICL OfficePower Vrs 6, 7
w4w104	F/T	DG CEOWrite
w4w108	T	HTML
w4w701	F/T	Comma Separated Variable ASCII
w4w703	F	Paradox 3.5, 4.0
w4w705	F/T	Microsoft Word 5.X Mail Merge
w4w707	F/T	WordPerfect 5.1 Mail Merge
w4w770	F/T	dBASE III, III+, IV 1.0
w4w771	F	Microsoft Access 2.0
w4w801	F/T	Quattro Pro 4.0
		Quattro Pro for Windows 1.0 - 7.0

Latin 2 and Other Character Sets

There is a -CPxxxx command line option which can be used to override the default code page of the following converters:

w4w01f, w4w01t	ASCII
w4w19f, w4w19t	Microsoft RTF
w4w33f, w4w33t	AmiPro 1.1 - 3.1
w4w44f, w4w44t	MS Word for Windows 1.x - 2.x
w4w49f, w4w49t	MS Word for Windows/Macintosh 6.0 - 7.0
w4w54f, w4w54t	MS Word for Macintosh 3.0 - 5.1
w4w101f, w4w101t	Uniplex II Plus

Available options include:

-CP437	for the Standard PC code page
-CP819	for the ANSI (Windows) code page
-CP850	for the International PC code page
-CP852	for the Latin 2 PC code page
-CP1250	for the European Windows codepage
-CP8591	for the ISO 8859/1 Latin 1 codepage
-CP8592	for the ISO 8859/2 Latin 2 codepage
-CP9999	for the Macintosh character set

The default code page for the ASCII converters (w4w01f, w4w01t) depends on the -V option:

-Vn	PC files (CR-NL)	PC code page
-VnA	Ansi files	ANSI (Windows) code page
-VnM	Macintosh files	Macintosh character set
-VnX	Unix files (NL)	ISO 8859/1 Latin 1 codepage

For example, to convert a Uniplex document prepared on a system using the **ISO Latin 2** character set to a text file for use on the same system, execute *w4w101f* with option *-CP8592* and *w4w01t* with options *-V1X -CP8592*.

If a code page option is used for just one stage of the conversion, or if different code pages are used for each stage, characters are mapped to the nearest available (e.g. accents are removed). For example, to convert an **Ami Pro** document prepared using **code page 1250** to a **Uniplex** document for use on a system using the **ISO Latin 2** character set, execute *w4w33f* with option *-CP1250* and *w4w101t* with option *-CP8592*.

To use these options, the commands in the file *NVO/STATIC/C/udas/udas.cfg* must be edited. The Uniplex Document Agent System uses OpenMail type codes to control conversions, and there are no OpenMail type codes specifically for files using the **Latin 2** character set. Therefore, if the configuration is changed to use the *-CP8952* option for a particular file type, all files of that type on that system, will be treated as using the Latin 2 character set. (Note that although the *udas.cfg* and *map.types* files contain entries for Latin 1 and 2 text files, they were for onGO Write which is no longer supported.)

Year 2000

NOTE, UBS 9.00 (as shipped by Uniplex) will work correctly through the millennium change.

1   Print-time replacement of the DATE, and the udate command.

        Changes made in V9.00's udate program make the changes recommended for V8.10 users
        unnecessary. With V9.00, udate now supports a %Y format control to report a four digit year.
        Additionally the string 19%y is taken to be a synonym for %Y, so that existing scripts do not need to
        be modified (PSR GEN:33865, and also 30909).

2   Card Index date fields.

        Unlike other UBS applications (Spreadsheet, Databases, Mailstore, Time Manager or File Manager),
        which all effectively store a full 4-digit year, the Card Index only stores a 2-digit one for fields defined
        with "date" type, in customised card indexes (none of the supplied ones use "date" fields).

        If DATEFMT is set for 4-digit years, these 2-digit years are displayed using the DATEMODE Cnn flag
        century rules.

        Before V9.00, the Find comparison operators were applied to the two digit years. For example, if
        >12/12/1999 is specified in a date field, only cards for the last few days of December 1999 would
        have been found (even with the default DATEMODE of C41 in effect). This problem has been
        corrected in Version 9 (PSR CI:33884).

3   Two digit year handling after 2000.

        With Version 9.00 of UBS, 2-digit years represent the "expected" century and applications use
        "century clean" formats to store dates.

        This section provides background information explaining the rules that control the handling of 2- and
        4-digit years for user input and display of dates. All this information can be found in the UBS 9.00
        on-line Technical Guide.

Configuration files that affect date formats

Date formats are affected by the DATEMODE and DATEFMT parameters in the UAP/uniplex.sys file and the DATE parameter in UAP/dbs/interfaces.

UBS can be configured by systems integrators and by individual users. This note concentrates on standard installations. When considering the effect on a particular system, remember that each user can have UAP files which override the system ones.

If it is necessary to change the UAP/uniplex.sys file, remember that syscomp -s must be used to apply the change by updating UAP/system.comp. And although the default for DATEMODE is 'C41' in UBS v9.00, if UAP/uniplex.sys is changed to set other flags in DATEMODE then it is also necessary to include a Cnn flag (e.g.: DATEMODE='C41D').

If V9.00 were the first release of UBS, we would probably set DATEFMT with four 'Y' characters (for example as 'MM/DD/YYYY' in the US), and DATEMODE to 'C41DFQX'. However knowing the huge number of customisations and superstructure products that have been built on the UBS product we considered it unwise to change the "expected" form of a UBS installation.

Input of dates using Database Forms (uform), Formfill (ufill), Card Index (ucard), Time Manager (udiary), Mail (umail) or File Management (ufilemgr)

Where dates are entered with two digits for the year, the century added to give the year number is controlled by the Cnn flag of DATEMODE in UAP/uniplex.sys.

In UBS v9.00, DATEMODE defaults to 'C41', so with a standard installation dates are in the range 1941 to 2040.

After applying the Cnn flag, the year may be truncated to two digits before being passed to a shell or a database engine (see below for details). However, the Cnn flag must still be correctly specified. The date 02/29/00, or 29/02/00, will be rejected as invalid with 'C00' because 1900 was not a leap year, but it will be accepted with 'C41' because 2000 will be a leap year. Users can enter 4-digit years, provided there is enough room in the input field. With UFORM and UFILL, the size of the input field depends on the options controlling the output of dates (see below for details).

Input of dates using Database Query (usql)

Dates in SQL statements can contain either a 2- or 4-digit year. If only 2 digits are present, the Informix database engine adds 1900 to give the year number, and rejects '00' as invalid.

The DATEMODE Cnn flag has no effect with USQL, so SQL input must use 4-digit years after 1999. Note that USQL does not "understand" dates in SQL commands sent to the database (since it makes no attempt to correlate the data strings in an SQL statement to the database schema that it will run against). Please note that with a recent release of Informix 7SE, an environment variable (it maybe called **DBCENTURY**) has been added which controls the method that the database engine uses to interpret 2 digit years.

Passing dates to an Informix database from Database Forms (uform)

The DATE format in UAP/dbs/interfaces can contain either two or four 'Y' characters. The number of year digits in the DATE field is used to control the setting of the Informix DBDATE variable (e.g.: with DATE=DD/MM/YYYY Uniplex will pass DBDATE=DMY4/ to Informix).

Passing dates to commands generated by Formfill or Screen Builder (ufill)

In the shell commands generated by UFILL, using the syntax $(name), date fields are truncated to two year-digits unless UAP/uniplex.sys is changed to specify four 'Y' characters in DATEFMT, and to specify the F flag in DATEMODE.

Display of dates in Database Forms (uform) and Formfill or Screen Builder (ufill)

By default, these display dates with 2-digit years. To display 4-digit ones, change UAP/uniplex.sys to specify four 'Y' characters in DATEFMT, and specify the D (for UFORM) or F (for UFILL) flag in DATEMODE. Note that doing this may cause problems with screen layouts and commands generated by UFILL.

Display of dates using Database Query (usql)

By default, Database Query displays dates with 2-digit years. To output the 4-digit ones change UAP/uniplex.sys to specify four 'Y' characters in DATEFMT, and specify the Q flag in DATEMODE.

Display of dates in the Card Index (ucard)

By default, this displays dates with 2-digit years. To display 4-digit ones, change UAP/uniplex.sys to specify four 'Y' characters in DATEFMT, and specify the X flag in DATEMODE. This may cause problems with screen layouts.

However, regardless of the DATEFMT setting, the Card Index only stores a 2-digit year, which means that applications that need to work on a large range of dates should use a database, not a card index.

Display of dates using Time Manager (udiary), Mail (umail) or File Management (ufilemgr or ufo)

In most contexts, Time Manager, Mail, File Manager and File Management display 2-digit years only on the grounds that, for the objects they refer to (mail messages, diary events, etc), the century will be obvious to the user.

Summary - things to look out for in 2000

*   Any customised scripts which generate USQL input with 2-digit years will have to be changed, unless the Informix engine is upgraded to a recent 7SE.

*   Note that the UNIX clock expires in January 2038, so dates beyond then will be poorly supported.

Supported Devices

Previously, both device support and national language interface were supplied on the same TEXT media. Since these two elements have different maintenance requirements and cycles, the Additional Peripherals Pack (APP) was launched in 1991. You are supplied with a copy of the latest APP containing the most up-to-date printer drivers with Uniplex Version 9.00.

See also the later section Devices Supported on Basic TEXT Media for details of device drivers supplied on the TEXT media.

APP Supported Devices

The following summarizes the devices supported by APP Version 5.1 and the Uniplex driver names to use for them.

The Supported Printer Specification (SPS) and Supported Terminal Specification (STS) references apply to the documentation supplied with APP 5.1 distribution media.

For more details on terminal specifications, refer to the later section Terminal Drivers.

The following tables detail:

-        The printer models supported by the APP.

-        The font options available for them.

         Where a font option includes a superscript number next to its description, you should read the related note detailed at the end of the APP Supported Devices section.

-        The Uniplex driver names to use for portrait and landscape orientation.

-        The Supported Printer Specification (SPS) filename containing the detailed description of supported functions for the printers.

Printer Model	Font Option	Driver (Pcap) Name(s)	SPS No
HPII	No Font cartridge	hpIIecma	sps01
		L/hpIIecma	sps02
	F cartridge[2]	hpIIroman8/F/	sps30
		L/hpIIroman8/F/	sps31
	S2 cartridge[2]	hpIIecma/S2/	sps15
		L/hpIIecma/S2/	sps16
	Great Start cartridge[2]	hpIIecma/gstart/	sps19
		L/hpIIecma/gstart/	sps20
	MicroSoft cartridge[2]	hpIIecma/msoft/	sps23
		L/hpIIecma/msoft/	sps24
	ProCollection cartridge[2][4]	hpIIascii/pcollect/	sps08
		L/hpIIascii/pcollect/	sps09
	ProCollection cartridge[2][3][4]	hpIIlegal/pcollect/	sps27
	Word Perfect cartridge[2][3]	hpIIdesktop/wperfect/	sps12
HPIID	No Font cartridge	hpIIDecma	sps03
		L/hpIIDecma	
	F cartridge	hpIIDroman8/F/	sps32
		L/hpIIDroman8/F/	
	S2 cartridge	hpIIDecma/S2/	sps17
		L/hpIIDecma/S2/	
	Great Start cartridge	hpIIDecma/gstart/	sps21
		L/hpIIDecma/gstart/	
	MicroSoft cartridge	hpIIDecma/msoft/	sps25
		L/hpIIDecma/msoft/	
	ProCollection cartridge[4]	hpIIDascii/pcollect/	sps10
		L/hpIIDascii/pcollect/	
	ProCollection cartridge[4]	hpIIDlegal/pcollect/	sps28
		L/hpIIDlegal/pcollect/	
	Word Perfect cartridge	hpIIDdesktop/wperfect/	sps13
		L/hpIIDdesktop/wperfect/	

Printer Model	Font Option	Driver (Pcap) Name(s)	SPS No
HPIIP	No Font cartridge	hpIIPecma L/hpIIPecma	sps04
	F cartridge	hpIIProman8/F/ L/hpIIProman8/F/	sps33
	S2 cartridge	hpIIPecma/S2/ L/hpIIPecma/S2/	sps18
	Great Start cartridge	hpIIPecma/gstart/ L/hpIIPecma/gstart/	sps22
	MicroSoft cartridge	hpIIPecma/msoft/ L/hpIIPecma/msoft/	sps26
	ProCollection cartridge[4]	hpIIPascii/pcollect/ L/hpIIPascii/pcollect/	sps11
	ProCollection cartridge[4]	hpIIPlegal/pcollect/ L/hpIIPlegal/pcollect/	sps29
	Word Perfect cartridge	hpIIPdesktop/wperfect/ L/hpIIPdesktop/wperfect/	sps14
HPIII[1]	No Font cartridge	hpIIIecma L/hpIIIecma	sps05
HPIIID	No Font cartridge	hpIIIDecma L/hpIIIDecma	sps06
HPIIIP	No Font cartridge	hpIIIPecma L/hpIIIPecma	sps07
HPIIISi	No Font cartridge	hpIIISiecma L/hpIIISiecma	sps52
HPIV	No Font cartridge	hpIVecma L/hpIVecma	sps110
HP500	No Font cartridge	HP500ecma L/HP500ecma	sps92 sps93
	C2109B cartridge	HP500ecma/C2109B/	sps94
	C2109C cartridge	HP500ecma/C2109C/	sps95
	C2109D cartridge	HP500ecma/C2109D/	sps96
	C2109E cartridge	HP500ecma/C2109E/	sps97
	22706B cartridge	HP500ecma/22706B/	sps98
	22706C cartridge	HP500ecma/22706C/	sps99
	22708C cartridge	HP500ecma/22708C/	sps70
	22707L cartridge	L/HP500ecma/2207L/	sps100

Printer Model	Font Option	Driver (Pcap) Name(s)	SPS No
HP500C	No Font cartridge	HP500Cecma L/HP500Cecma	sps101 sps102
	C2109B cartridge	HP500Cecma/C2109B/	sps71
	C2109C cartridge	HP500Cecma/C2109C/	sps104
	C2109D cartridge	HP500Cecma/C2109D/	sps105
	C2109E cartridge	HP500Cecma/C2109E/	sps106
	22706B cartridge	HP500Cecma/22706B/	sps107
	22706C cartridge	HP500Cecma/22706C/	sps108
	22708C cartridge	HP500Cecma/22708C/	sps103
	22707L cartridge	L/HP500Cecma/2207L/	sps109
Canon LBP-4	No Font card	LBP4pc850 L/LBP4pc850	sps34
	SC-1 card	LBP4pc850/SC1/ L/LBP4pc850/SC1/	sps40
	BM-3 card	LBP4pc850/BM3/ L/LBP4pc850/BM3/	sps46
Canon LBP-4+[5]	No Font card	LBP4+pc850 L/LBP4+pc850	sps35
	SC-1 card	LBP4+pc850/SC1/ L/LBP4+pc850/SC1/	sps41
	BM-3 card	LBP4+pc850/BM3/ L/LBP4+pc850/BM3/	sps47
Canon LBP-8III	No Font card	LBP8IIIpc850 L/LBP8IIIpc850	sps36
	SC-1 card	LBP8IIIpc850/SC1/ L/LBP8IIIpc850/SC1/	sps42
	BM-3 card	LBP8IIIpc850/BM3/ L/LBP8IIIpc850/BM3/	sps48
Canon LBP-8III+	No Font card	LBP8III+pc850 L/LBP8III+pc850	sps37
	SC-1 card	LBP8III+pc850/SC1/ L/LBP8III+pc850/SC1/	sps43
	BM-3 card	LBP8III+pc850/BM3/ L/LBP8III+pc850/BM3/	sps49

Printer Model	Font Option	Driver (Pcap) Name(s)	SPS No
Canon LBP-8IIIT	No Font card	LBP8IIIRpc850 L/LBP8IIIRpc850	sps38
	SC-1 card	LBP8IIIRpc850/SC1/ L/LBP8IIIRpc850/SC1/	sps44
	BM-3 card	LBP8IIIRpc850/BM3/ L/LBP8IIIRpc850/BM3/	sps50
Canon LBP-8IIIR	No Font card	LBP8IIITpc850 L/LBP8IIITpc850	sps39
	SC-1 card	LBP8IIITpc850/SC1/ L/LBP8IIITpc850/SC1/	sps45
	BM-3 card	LBP8IIITpc850/BM3/ L/LBP8IIITpc850/BM3/	sps51
Canon BJ330	No Font card	BJ330pc437 L/BJ330pc437	sps65
Canon BJ800C	No Font card	BJ800Cpc437 L/BJ800Cpc437	sps66
IBM 3816	Standard Font	ibm3816pc850 L/ibm3816pc850	sps61
IBM 4019	No Font card Diskette	ibm4019pc850 L/ibm4019pc850	sps62
IBM 4019	Font card 1255846	ibm4019hpecma L/ibm4019hpecma	sps63
IBM 4019	Font cards 1255844 & 1255845	ibm4019hpecma/Z/ L/ibm4019hpecma/Z/	sps64
IBM 4029	No Font card	ibm4029pc850 L/ibm4029pc850	sps111
IBM 4039	No Font card	ibm4039hpecma L/ibm4039hpecma	sps112
IBM 4039	Postscript Font Option	ibm4039post L/ibm4039post	sps113

Printer Model	Font Option	Driver (Pcap) Name(s)	SPS No
IBM X24E		ibmX24Epc850 L/ibmX24Epc850	sps53
IBM XL24E		ibmXL24Epc850 L/ibmXL24Epc850	sps54
IBM III		ibmIIIpc437 L/ibmIIIpc437	sps57
IBM IIIXL		ibmIIIXLpc437 L/ibmIIIXLpc437	sps58
Epson LX1050		LX1050pc850 L/LX1050pc850	sps55
Epson LQ1170	No Font card	LQ1170pc850 L/LQ1170pc850	sps56
Epson LQ2550	No Font card	LQ2550pc437 L/LQ2550pc437	sps59
Epson LQ2550	Color Ribbon	LQ2550colpc437 L/LQ2550colpc437	sps60
Bull VP61	Internal HP compatible fonts	VP61hpecma L/VP61hpecma	sps86
Bull VP110	Internal HP compatible fonts	VP110hpecma L/VP110hpecma	sps67
Bull VP570	No cartridge	VP570pc437	sps72
Bull VP580	No cartridge	VP580pc437 L/VP580pc437	sps73
Kyocera FS850	No font cartridge	KyoceraFSecma L/KyoceraFSecma	sps68
	Font ROM Chip installed	KyoceraFSecma/from/ L/KyoceraFSecma/from/	sps69

Printer Model	Font Option	Driver (Pcap) Name(s)	SPS No
dec2200	No Font cartridge	dec2200ecma L/dec2200ecma	sps74
	LNXX-CD cartridge	dec2200ecma/LNXXCD/ L/dec2200ecma/LNXXCD/	sps75
	LNXX-CA, LNXX-CB cartridges	dec2200ecma/CACB/ L/dec2200ecma/CACB/	sps76
	LNXX-CC cartridge	dec2200decmn/LNXXCC/ L/dec2200decmn/LNXXCC/	sps77
dec1100 (entries tested using dec2200)	No Font cartridge	dec1100ecma L/dec1100ecma	sps78
	LNXX-CD cartridge	dec1100ecma/LNXXCD/ L/dec1100ecma/LNXXCD/	sps79
	LNXX-CA, LNXX-CB cartridges	dec1100ecma/CACB/ L/dec1100ecma/CACB/	sps80
	LNXX-CC cartridge	dec1100decmn/LNXXCC/	sps81
dec2100 (entries tested using dec2200)	No Font cartridge	dec2100ecma L/dec2100ecma	sps82
	LNXX-CD cartridge	dec2100ecma/LNXXCD/ L/dec2100ecma/LNXXCD/	sps83
	LNXX-CA, LNXX-CB cartridges	dec2100ecma/CACB/ L/dec2100ecma/CACB/	sps84
	LNXX-CC cartridge	dec2100decmn/LNXXCC/ L/dec2100decmn/LNXXCC/	sps85
MT906	Internal HP compatible fonts	MT906hpecma L/MT906hpecma	sps87
	F+Q Cartridge (075392)	MT906hproman8/FQ/ L/MT906hproman8/FQ/	sps88 sps89
	K+P Cartridge (075384)	MT906hproman8/KP/ L/MT906hproman8/KP/	sps90 sps91

Notes:

1   This model has not been tested by Uniplex. It is assumed that the HPIII has the same paper
     characteristics as the HPII.

2   The standard LaserJet Series II cannot rotate fonts. As a result the choice of fonts is normally
     much reduced from the choice available in Portrait mode. None of the HP Font cartridges in this
     release have any proportional landscape fonts.

3   These cartridges use a symbol set not available in the standard printer. As a result there is no
     landscape entry possible as cartridge fonts are portrait only. The standard Series II landscape
     entry should be used instead.

4   These symbol sets are 7-bit only symbol sets. No attempt is made to compose any 8-bit character
     where there is no equivalent in the symbol set.

5   This printer has not been tested by Uniplex as no model was available. However, the printer
     engine is the same as the normal LBP4 so the paper characteristics should be the same. The font
     capabilities are the same as the LBP-8III+, which has been tested.

HP LaserJet 5 and LaserJet 6

The HP LaserJet5 and LaserJet6 series printers have been validated with the current APP5.1. It is
expected that we will be re-issuing the APP in the near future, but we are currently re-evaluating the way
that this information is included within the product, with the intention of vastly simplifying the process of
adding printers and terminals to your configuration.

UNFORTUNATELY there is a change required for the series 5 and 6 LaserJets. The standard hpIVecma
emulation is correct for the 5 and 6, PROVIDED the reset codes are removed from the DEINIT line of the
Pcap file. This prevents the printer appearing to hang after a print request.

That is replacing the line:
```
          DEINIT=$-'%-12345X@PJL REINIT PCL <CR><LF>@PJL ENTER LANGUAGE = PCL'-$-'E'
```
with:
```
          DEINIT=$-'E'
```

Supported Terminal Index

The following table details the terminal models supported by the APP, along with the appropriate Uniplex driver names. Also shown is the Supported Terminal Specification (STS) filename containing the detailed description of supported functions for the terminals.

Terminal Model	Driver (Tcap)Name(s)	STS No.
Wyse 60	wyse60, wy60	sts01
Wyse 120	wyse120, wy120	sts02
Wyse 370	wyse370, wy370	sts10
DEC vt340	vt340	sts03
DEC vt220	vt220	sts04
DEC vt420	vt420	sts12
DG d216+	d216+	sts05
DG d412	d412	sts06
DG d412+	d412+	sts07
DG d462	d462	sts08
DG d462+	d462+	sts09
IBM 3151	ibm3151, 3151	sts11

Devices Supported on Basic TEXT Media

The main TEXT media also contains support for an older set of devices. The exact set differs from language to language (which itself is the main reason for introducing the APP), but for the UK, English language media includes:

Terminals - Character Only

Terminal Description	$TERM name/Tcap Name
Acorn Video Console	avc
Altos 2	altosll
	altll
	ll
Altos 3	altos3
	alt3
ATT 386 Color Console	AT386
	at386
ATT 386 Console	AT386-M
	at386-M

Terminal Description	$TERM name/Tcap Name
DEC VT100	vt100
DEC VT220	vt220
	vt200
Freedom 2	freedm2
Hitachi Workstation Console	HT4451
hp300h	hp300h
	300h
hp70094	70094
hp 98700	hp98700
	98700
IBM PC/AT	ansi
IBM PC/AT color monitor	ansicolor
ibm8514	ibm8514
ibm5154	ibm5154
ibm5151	ibm5151
ibm3161-C	ibm3161-C
ibm3151	ibm3151
ibm3161	ibm3161
ibm3163	ibm3163
ibm3164	ibm3164
ibm5081	ibm5081
ibm5081-113	ibm5081-113
ibm5081-146	ibm5081-146
ibm8503	ibm8503
ibm8512	ibm8512
ibm8513	ibm8513
PCR2 6150 Monitor	ibm6153
	ibm6154
	ibm6155
ICL m303	m303
ICL Color 6404	iclcol
	icl6404cg
	iclcolour
	icl6404
ICL Color 640402	icl640402
ISC DIAB DS-90 Console	wp5-c3
	wp5-c2
Link 125	link
Lynwood Workstation Console	k430
Microcolour Graphics 2220	M2220
NCR 4970	4970
Nokia S-20 Console	alfaskop220
Philips p2772	p2772
Sony Workstation Console	sonycon

Terminal Description	$TERM name/Tcap Name
Sun Workstation Console	sun
	sun386i
Torch	QX
Toshiba 5100	t5100
Tele-Video 925	tvi925
Unicord Emulator	scout, scout-132, scout-mc,
	scout-x, scout-x-132, scout-x-w3
	ut2, ut2-132, ut2-mc, ut2-x,
	ut2-x-132 ut386, ut386-132,
	ut386-mc, ut386-x, ut386-x-132
Wyse 50	wyse50
	wy50
Wyse 60	wyse60
	wy60
	wyse60-132
	wy60-132
Wyse 85	wyse85
	wy85
Wyse 120	wyse120
	wy120

Terminals - Graphics and Character

The following terminals support Presentation Graphics but not the Presentation Editor.

Terminal Description	$TERM name/Tcap Name(s)
Falco 5600	fal5600
Visual 241	vis241
Visual 550	vis550
Visual 603	vis603
Wyse 99GT	wyse99gt
	wyse99vt220
Motorola	tm228
	tm229
	tm228w
	tm228iw
	tm229w
	tm229iw

The following terminals support all modules of the Advanced Graphic System package.

Terminal Description	$TERM name/Tcap Name(s)
DEC VT240	vt240
DEC VT340	vt340
	vt330
	vt300
Tektronix 4207	tek4207
	tekOA70
	tek4205
Graphon 407	graph407
Lynwood 320	lyn320
	lyn320-132
Lynwood 520	lyn520
	lyn520-132
Microcolour Graphics 4305	m4305

The following devices have been designed to work in their own X environment but do not support Uniplex Windows.

Terminal Description	$TERM name/Tcap Name(s)
Lynwood Workstation Console	lynxterm
Sony Workstation Console	sonyxt

Printers

Printer Description	Pcap Name(s)
"Dumb"	dumbp D-PRINTER

Note: This printer name produces basic quality output on any printer.

Canon LBP II	canon_1000 canon_1000/L/
Citizen MSP10E	msp10_lq msp10_draft
Epson FX80	epson_fx80
Genicom 1000	genicom_1000/IBMC/
HP LaserJet Series I	hp_jet hp_jet/H/ hp_jet/F/ hp_jet/B/ hp_jet/L/ hp_jet/LH/
HP LaserJet Series I+ and II	hp_jet+ hp_jet+/H/ hp_jet+/F/ hp_jet+/B/ hp_jet+/L/ hp_jet+/LH/ hp_jetII/HF/ hp_jetII/LHF/
HP Paintjet	hp_paint180 hp_paint180t hp_paint90_16 hp_paint90_16t
Honeywell 466	honeywell_466
Kyocera F1010 **(in HP emulation mode)**	kyocera_f1000/HP/

Printer Description	Pcap Name(s)
Mannesman Tally 910 **(in HP emulation mode)**	mt910/F/ mt910/LF/ mt910/E/ mt910/LE/
Panasonic kx-p4450	kxp4450 kx-p4450/L/ kx-p4450/F/
Postscript	postscript postscript/L/

Plotters (Graphics only)

Plotter Name	Gcap Entry
HP 7475a Plotter	hp7475a
ICL Plotter	gp1760

X-Devices Supported

Uniplex Windows is a standard X Windows application and, therefore, supports any appropriately connected display device. Such a device is referred to as an *X server*.

By default, Uniplex uses a lowest-common-denominator set of resources in a server. This set of resources is described in the file UAP/XW/servers/default.

However, in order to take advantage of the capabilities of some server devices (for example, the ability to display larger font sets or colour), Uniplex Windows is delivered with a set of server description files which have been customized for various devices.

These server descriptions are held in the directory UAP/XW/servers.

You may use these descriptions or extend the set, as required. Selection of a non-default server is described in the later section *Defining the X-Server Driver*.

Where necessary, Uniplex may adjust the settings in a server description file in order to work around deficiencies in the server concerned. For example, it may set a resource to avoid a recognized problem in a manufacturer's server.

X Windows Servers

Customized server description files supplied with Uniplex Windows include:

A1097A   Same as **hpcolor**.

deccon   DECstation 3100 monochrome console.

decconcolor   DECstation 3100 color console.

default   Default monochrome configuration (should work on any device). It is usually a copy of the **generic** file (see below), but may be a copy of a specific server file for a machine with a known deficiency in its usual server.

dgaviion   Data General AViiON console (monochrome).

generic   Generic monochrome configuration for PC-sized displays.

hpcolor   HP color console.

ibm5081   IBM high-function terminal 5081 (color). Assumes that Adobe fonts are available on the display. Also, it is a generic description for any similar full-color 19 inch IBM console display - such as the 6091.

ibm6153   IBM high-function terminal 6153 (color).

ibm8859   IBM RS/6000 with iso8859 fonts.

ix   Interactive console server.

ixmb2   Interactive console server with a two-button mouse.

ix-8859   Interactive console server but set for iso8859 fonts.

ix-8859mb2   Interactive console server but set for iso8859 fonts and a two-button mouse.

ncd   NCD monochrome X Terminal using built-in fonts.

ncd.adobe   NCD monochrome X terminal using Adobe fonts from NCD release tapes. X server description was built for a NCD-19 (19 inch) display. A few of the resources it contains can cause windows to be poorly placed if used with a similar screen.

odt   Configuration for VGA screens and Adobe font support.

pc   Same as **generic**.

                     Note: On some 7.01 ports, a server of this name was supplied which was a copy of the customized **default** *rather than the original* **generic***.*

sony8859   Sony with iso8859 fonts.

sun   SUN monochrome console.

suncolor   SUN color console.

tv	NCR Towerview monochrome X terminal.
vis640	Visual 640 monochrome X terminal.
visX19	Visual X-19 (turbo) monochrome X terminal.
visX19grey4	Visual X-19 (turbo) 4-level grayscale X terminal.

Defining the X-Server Driver

There are four ways in which you can define a non-default server:

- Enter the following at a system prompt:

  uxwindows <*server_name*>

  where *server_name* is one of the names in the left column of the table in the previous section.

- Set the environment variable UXENVIRONMENT using the syntax:

  UXENVIRONMENT=*server_name*
  export UXENVIRONMENT

  where *server_name* is one of the names in the left column of the table in the previous section.

- Edit the file $HOME/.Xdefaults and specify the required resource.

  For example, **Uxwindows.server : sun**.

- Copy the server description file you require to the file $HOME/UAP/XW/servers/default.

Appendix A - Changes Made in Version 9.00

The following pages contain a standard report from the Uniplex Product Status Database (PSD) showing all problems and enhancements that have been addressed in this release.

Entries are sorted by PSR number within product area.

Since the report is available independently of these Release Notes, some of the entries may say "See Release Notes", which, in this context means, "See earlier sections of this document".

Also, some of the cross references ("See also:") may refer to PSRs not in this document.

Indented text, following the problem (wish) description, elaborates on the fix to a problem (or enhancement request).

```
                    CI :   Card Index (UCARD)
```

33884

```
Only the last two digits of the year are stored for "dat" type fields
in customised card indexes (none of the ones supplied with UBS use
"dat" fields).  Thus applications that need to manage and search for
dates that will span the millenium change must use a database,
not a card index.
If DATEFMT is set for 4-digit years, these 2-digit years are
displayed using the DATEMODE Cnn flag century rules.  Also, the
Find comparison operators are applied to the stored two digit
years.  For example, if '>12/12/1999' is specified in a date
field, only cards for the last few days of December 1999 will be
found (with the default DATEMODE of C41 in effect).
NOTE that the FIX has NOT removed the "only two digits stored" as
this is a fundamental limitation.  The Fix is to ensure that
sorting and searching take account of the "Cnn" DATEMODE.
Seen in:    8.00
```

30777

UPPER & LOWER in uniplex.sys only define 21 XOPEN characters. There
should be 30 defined as there are 30 characters that have direct
uppercase and lowercase equivalents.
Seen in: 7.01

   Mappings have been added for Ä/ä, Å/å, Æ/æ, Ð/ð, Ö/ö, Ø/ø, Û/û
   and Þ/þ.
   Also, the mapping that makes ß be considered as both upper and
   lower case, which used to be set in German only, is now applied
   in all languages.

33781

WordPerfect Vrs 6.0, and WordPerfect for Windows Vrs 6.1 convertors
don't show up in File Manager conversion window. They are listed in
V8.10 Release Notes pg. 35. w4w48f/t are in $Uredirect/NVO/bin. Get
following error if use 'Automatic Format Detection' : "Uniplex
conversion services failed to convert file".
Seen in: 8.10

33835

Can't convert Ms Works 3.0 documents.
Seen in: 8.10

33897   Wish

Revised converters from Adobe to be included in Uniplex products

33904

Excel version 7 documents are identified as 1655 (Excel 2.1).
Also numbers 1655 and 1722 are not the correct OpenMail type codes for
Excel 2.1 and 3.0.

33912

The RTF converter type codes seem to be incorrect.

33926

Errors in converting to and from Uniplex, documents containing 8-bit
characters, and tildes. This particularily affects the Latin2
character set, and the line drawing characters.
Seen in: 8.10

33927

Conversion from Uniplex introduces a spurious character into lines
originally containing either 1 or 2 characters.
The character is whatever was left in the buffer.
[HOWEVER if the line is EFFECTED then a single character line is
replaced with a blank line.!
Seen in: 8.10

DBF :   Database

12469

Attempt to add record to a form that only has a serial input
field causes UFORM to loop.
Seen in: 7.00a

13869

When entering data into a field declared with chars = "U" (allow A-Z
and any characters from UPPER string in uniplex.sys) you can enter "a"
and it is forced to "A" - however, if you enter "é" Uniplex just
beeps. It should accept the "é" and force it to "É" (as per the
LOWER/UPPER string in uniplex.sys).
Seen in: 7.00c

    Fields with chars='U' or 'L' now force the case of "8 bit"
    characters using the UPPER/LOWER strings, as expected.
    This applies to UFILL screens and forms as well as database ones.

31968

If you enter one or more spaces in a "date" field where NULL is
allowed, upon "find"ing or "edit"ing that field, the date will be set
to "31/12/99" (ie 31st December 1899, yes 1899), and not a NULL
value. The "tilde" character will give you a NULL value
correctly.
Also there are subtle differences between a NULL character field
and one containing spaces.
Seen in: 7.02

32208

Edit a record in a trivial table which contains a date. Change the
contents of the date field to be an invalid date. Press F1. You are
told that the field contains an invalid date. Press F4 to abandon the
edit and uform either core dumps or places a garbage value in the
date field. The record is not updated.
Seen in: 7.01 , 7.02

33000

UFORM core dumps when trying to quit from a multitable customised form
after amending a cross-referenced field with a non existant value in
the table it validates against. After editing the cross-referenced
field, the message "Cross-reference not found" is displayed and
Esc q either locks the screen or displays a "Press return to
continue" message. In both cases a core is dumped. The problem
only seems to happen when the table contains date fields, however
not all date fields cause the problem.

                        MACHINE SPECIFIC: DG AViiON , DG-UX 5.4.3
Seen in: 7.02   See Also: 30494

33675

You can't always access databases correctly when running USQL or UFORM
from Desk or F2->Applications->Database from "underneath" the File
Manager, because various datalink variables are set to address the
File Manager's Index database:
- DBPATH is forced to $Unode/DATA and DBTEMP is set to $Utemp,
  replacing any values that the user may have pre-set.
- INFORMIXDIR and the datalink interface defaults are set for
  Informix 5SE (by setting DBDEFAULT to FILE_MANAGER).
Seen in: 8.10

    Environment settings in the FILE_MANAGER section of
    dbs/interfaces are no longer passed on to UFILEMGR sub-processes.

33811   **Wish**

The options=autoexpand feature introduced in UFILL in 8.10 should
be supported in UFORM too.
Seen in: 8.10

33915

While doing ADD to a multi-table form, uform only displays the fields
for the current table, so the superior tables already set up
(including any joining fields) are hidden.
PSR 31909 complained that default values were shown for the
inferior tables. The fix was a case of overkill.
Seen in: 8.10

33941

The default installation of the Informix 2.10 datalink uses a
two-digit DATE format. So dates in the year 2000 cannot be passed
uform to sqlexec. Need to change dbs/interfaces, as described in FAQ.
Seen in: 8.10

EM : AOS Mail

6375
                                                            Wish
Can we have a GO TO BOTTOM of list option on Incoming Mail or
have ESC b so that you can get to the most recently received item
of mail after you've read it once without scrolling.
Note: Quickest way to bottom of a list is:
        HOME - UPARROW
Also would like Esc t or Esc UPARROW to take you to the top of
your mailbox list.
Down (and Ctrl-D) and Up (and Ctrl-U) keys should also be allowed
as alternatives to using the Down and Up ringmenu options.
Seen in: 7.00

    ESC t and ESC b now go to Top and Bottom of lists and ESC UPARROW
    and ESC DOWNARROW to Top and Bottom of current list page - both
    in Mail and most other lists (such as popups).
    Down and Up direct keys work in the Mail browser.

7838

When perusing a mailbox with 3,500 entries, the Subject title is
visible on the list, but, when selecting one item from the list
to view in detail (with RETURN), the subject/sender/date is not
displayed on the menu bar and is replaced with a random mnemonic.
This problem was fixed in version 8.00, by the fix for PSR 7836.
Seen in: 7.00

8030
                                                            Wish
"trashcan" should be one of the mailboxes suggested on
F6=List Mailboxes when creating a mailbox
Seen in: 7.00

    "F6=List Mboxs" now shows "trashcan" - both when creating a
    mailbox and, less usefully, when sending mail.

8830
Would like a command line interface to the mail program so that
ISVs can write programmes which can automatically send messages
which will appear in people's mailboxes. Particularly useful if
the command line interface allows you to specifiy send by date
etc etc
Example: order procesing programme which wants to send a reminder
to someone to perform a particular action on a certain day.
Seen in: 7.00a

    See on-line Technical Guide for new command line options to the
    USMAIL program.

8949
UMAIL core dumps when loading if uniplex.alias name is longer
than 49 characters. eg: the following line in your
UAP/uniplex.alias will show it (this is V6 and V7):-
    And first name Last Name (*703 827 4000 Ext. 274*) = fred;
Removing the "A" of "And" makes UMAIL stop core dumping.
Seen in: 7.00a

13115
With MODE=S, UMD_RUNIX may abort with Segmentation Violation on some
machines.
Seen in: 7.01

13235
If you send mail to, say, 60 users on the same machine and then do a
retrieve. The retrieve fuction will not retrieve all the mail even
if it has not been read. You may have to do 2 or 3 retrieves before
all the mail is retrieved. This problem happens on HP machines.
If you do the same thing on Interactive 386 umailexec leaves a
core file.
Seen in: 7.00c

31936
In Stand Alone Mail, if you send some mail with some print effects,
anything after the last print effect, on the same line is not
displayed. This only occurs when using the "Memo Pad" to construct
the mail, using WP works fine.
Seen in: 7.01dM

32436

Mail received in 7.02 where 'C' flag is set in umail.rc causes a core
dump when TO and CC combines to greater than 110 characters (Line
Limit).
In v7.02 a new flag 'C' was introduced to allow ALL recipients
of a mail message to be updated when one member of a group of
addressees made a reply. This has the drawback that the contents
of the 'TO' list and the 'CC' list are concatenated. If a site
uses ad hoc addressing of the form mxw@machinename and no
aliasing then these addresses can easily exceed the 110 character
limit. Setting Umailaddr=yes gets round this a little but soon is
itself exceeded and is not suitable if the receiving site is pre
7.02. Ad hoc addresses are expanded from :
'mxw@machinename' to 'mail>mxw@machinename' which makes matters
worse.
Seen in: 7.02

33727

Unix (rather than Uniplex) mail messages from DG AViiON (ix86)
machines are prefixed with an "Original-Content-Type" line.
Seen in: 8.10

33823   **Wish**

When viewing a message, Down/Up should stop at the Bottom/Top of the
message, rather than wrapping round as they do at present.
Seen in: 8.00

33963

Two problems with the debug log option (MODE=Lnnnn) in umail.rc:
the nnnn value is not interpreted correctly, and the following mode
letter (if any) is ignored.
(Only the last digit of nnnn is used.)
Seen in: 8.10

33971   **Wish**

Would like to be able to send MIME-encoded messages. This will allow
any data file to be sent as an attachment to a system that understands
MIME-encoding, and allow 8-bit characters in the text and subject.
Seen in: 8.10

33999

The uniplex.first script which warns users after an upgrade that they
have local configuration files that may need updating, does not check
for a umail.rc file.
Seen in: 8.10

34000

With USER names that do not adhere properly to RFC822, umailexec can
have problems processing UVERIFY, and similar, "internal" mail.
The same problem underlies PSR 13115.
For example a user name such as PHILLIP. does not conform to
RFC822, fails to create a proper "local name", and so causes the
mail entry to fail. On some machines (Dec Alpha for example) the
failure results in umailexec stopping.
Seen in: 8.10

FOL :   File Manager, Folios, Trash Can, Filing in general

33644

Open of ../ in folder list sometimes opens the wrong folder.
Opening the ../ entry in the folder list should cause the parent
of the current folder to become the new current folder.
Seen in: 8.10

33693

The titles for UDEMO demonstration documents in sub-folders of the
demonstrator's pseudo-$HOME directory do not display in the File
Manager.
For instance, the file "bugdets/staff.ss" shows as "<staff.ss>"
instead of "Budgets".
Seen in: 8.10

33746   Wish

There should be an indicator when data won't fit the on-screen display
area, but can be horizontally scrolled to see the rest of it (cf: the
vertical scrolling indicators on the Properties Form's "Keywords"
field).
For instance, if you have a very long Title on the Properties
Form, the field should show a reverse video ">" instead of the
normal "]" as its right hand delimiter. Then, if you
horizontally scroll this field, the left hand delimiter should
change to reverse video "<".
Seen in: 8.10

33753
The File Manager's Rename always fails with: "Failed in filesystem
access.   File/Folder does not exist".

MACHINE SPECIFIC: HP-UX 9

Seen in: 8.10

33754
When using the browser to look at binary data, rubbish characters can
be left on the screen.
If the supplied binary file is displayed using the File Manager
browser, the sequence PageDown, PageUp leaves characters from the
second page on the screen.   "Esc v" clears the rubbish.
Seen in: 8.10   See Also: 33563

33765
The TAB, BACKTAB, RIGHT and LEFT arrows do not work properly in pick
and point "selector" lists in UDIDL applications.
For instance, using any of these keys on an expanded Format field in
the CONVERT FILE dialog is either ignored or quits you out of the
expanded list.
Seen in: 8.10

33775
Using Ctrl-e more than once to insert a space in the Change Folder
form results in "Bus Error - Core Dump".
For instance, choose Change Folder from the main menu, type /tmp,
cursor back to the 'm' and enter Ctrl-e twice.

MACHINE SPECIFIC: HP 9000

Seen in: 8.10

33790
Cursor movement around very long lists in the File Manager's Tree
(left hand) List is slow.   There is no such problem when the same list
is in the Folder (right hand) list.
The problem seems to be noticeable once you have more than about
500 entries in it (eg: this number of sub-directories in a
single folder).
Work-arounds:
- always keep a folder with hundreds of sub-folders at the top of
  the Tree list (using "." or F2->View->Make Main Branch), or
- operate in Folder Only (F2->View) mode.
Seen in: 8.10

    The problem was due to the algorithm that determines the
    "tramlines" showing the folder hierarchy (which is why it is
    cured by using "Make Main Branch" on a very "wide" set of
    sub-folders). This algorithm has been extensively re-engineered,
    giving a hundred-fold improvement on a sample 90-page Tree List.
    To do this, support for extremely "deep" Tree Lists has been
    slightly affected: lists with more than 31 folder levels may
    occasionally show a hyphen instead of the correct "tramlines".

33798   Wish
The CONVERT FILE dialog should restrict file type selections to those
that are possible to convert.
At present both the from and to format fields list all known
filetypes, making no attempt to limit the list to those that
could ever be converted from or to.
For instance, the "From format" field should not allow "Uniplex
Spreadsheet", since there is no support for Spreadsheet
conversion in the File Manager.
Seen in: 8.10

33807
File Manager F5=List Templates doesn't show any templates.
This is because, following the change under PSR 33800, the system name
(tinker-uniplex.net) used when building the FM database differs from
that when the installation is completed (tinker).
                                                See Also: INS:33800

33822
The File Manager core dumps on start up if the user's "ongo" temporary
file area (normally set to /usr/tmp/ongo/<username>, by USERTMP in
$NVO/STATIC/C/SHARED/sysparam.csv) is unwritable.
Seen in: 8.10

33829

Using the filemanager with a long tree list, quick repetition of ^U
(page up) will move the hilite to the top page in the tree list, but
can leave the folder list detailing a different folder.
This problem is that the type ahead optimisation stops FM from
generating folder lists for any hilited folder when it KNOWS that
the next command is a cursor movement. HOWEVER if that cursor
could not be serviced (eg ^U when already on the first page), the
hilited folder will not necessarily be the last expanded folder.
Seen in: 8.10

33830

FM has a problem with folders that have a very long title AND a very
long pathname. The screen's title line overflows and corrupts memory.
Problem is that the automatic truncation is failing to work correctly.
Also the folder name in the treelist can lose its first character
last, depending on the hilited line. The lead character being
lost is obviously embarassing, but the trailing one is also as it
is replaced by whitespace.
Seen in: 8.10

33842

The File Manager core dumps when the Properties Screen is QUITTED (F4)
having deleted the "Title" field with a CTRL-x.
On other platforms, such as the IBM, the only sign of the problem is
that you get the the "Do you really want to quit" confirmation
dialogue even when the title line was already blank.
Occurs on: ICL DRS 6000 and Sun SPARCstation
                              MACHINE SPECIFIC: ICL and Sun SPARC
Seen in: 8.10

33848   Wish

Much processing time is spent checking and rechecking path names for
/./ and /../ sequences, even when they cannot be there.
Seen in: 8.10

33849   **Wish**
If someone tries to simulate a File Manager session, by re-issuing
the command line with its -p option they will get a memory fault, or
similar crash.
Seen in: 8.10

33860
Can't use Search Index.   Any attempt to do so results in a core dump.
                              MACHINE SPECIFIC: Sun SPARC , Solaris 2.4
Seen in: 8.10   See Also: 33806

33866
If the Folder Control File (folder.ctl) contains WP rulers or commands
then it cannot be read by ufilemgr, or ufmscan. On most systems the
resultant (hard coded) error message "Cannot read folder control file"
takes you staright to the cause, HOWEVER on some systems, for
example Sun, the program can abort with a core dump.
Seen in: 8.10

33876
Problems when the File Manager uses Informix 2.1: Find->Search Index
fails with Cannot OPEN cursor, ufmscan can fail with error 246 when
reattaching lost documents.
Seen in: 8.10

> **GEN :   General**

30909   **Wish**
Would like UDATE enhanced so that it can convert from Uniplex
integer time and date to Normal date and vice versa. This is
mainly so that users can extract info from mail files directly.
Seen in: 7.01   See Also: GEN:33865

    UDATE can now do this, along with a number of other enhancements,
    including the display of ISO week numbers.
    See the Technical Guide for details.

33641
On a terminal that does not support output of "8-bit" characters (ie: HIGHBIT not set in Tcap), the reverse video representation of some "8-bit" characters does not match the character in the ¢ column of the table in Appendix B of the Configuration Guide.
For instance, I umlaut (Ï) shows as reverse video "N", not "I".
Seen in: 8.00

33718
Uniplex core dumps if it can't read the uniplex.menu file.
Seen in: 7.01

33851
Attempting to start any UBS screen based utility when TERM is undefined causes a core dump.
                        MACHINE SPECIFIC: DG AViiON , DG-UX 5.4.3
Seen in: 8.00

33865
When year 2000 is reached, the UDATE utility will generate incorrect 2-digit strings for format descriptor %y, and the default output will be "Sat Jan 01 00:00:00 GMT 19xxx".
With as-shipped UBS, this only affects printed replacements for dollar-DATE in WP documents.
Seen in: 8.10

   This is now fixed. Also, to avoid having to change existing code
   which uses "19%y" to display the year, UDATE will now replace the
   4 characters "19%y" with the full 4-digit year. See the
   Technical Guide for more details.

33658

When upgrading from an earlier release, it NOT possible to use a
separate filesystem as a temporary area to download the media onto.
The instructions related to this in the English language version 8.10
Installation Guide MUST BE IGNORED (the last two paragraphs on
page 28 and the section on the Uredirect variable on page 63 in
appendix C).
If they are followed, the upgrade will terminate prematurely and
the UAP area being upgraded must be restored from backup).
Seen in: 8.10

33663   **Wish**

Various enhancements required to the upgrade process:
- There should be a script to help administrators re-compile all
  "real" softkey files (ie: excluding those used only via a
  #include)
- UAP/PhoneList shouldn't be replaced when upgrading from 8.10
- Files should only be saved under UAP/saved.<version> if they
  differ from the new version installed.
- When upgrading from a 8.10 beta (and, probably, 8.10 to a
  later version when that is possible), the message:
  "The following modules are already installed: CONV"
  should be not appear. It appears just before:
  "The following modules are being upgraded: BASE CONV AOS AGS"
Seen in: 8.10

    The new script, "skcompall" compiles all normal ".fn" files.
    See the Technical Guide for details.

33726

Installation of the NCR port on this machine incorrectly fails with
    You must be "superuser" (UID 0) to run this program
if the Unix process ID (PID) of the installation script is greater
than 9999. This is due to a bug in the DG/UX "find" command.
                    MACHINE SPECIFIC: DG AViiON (ix86) , DG-UX R4.10
Seen in: 8.10

    Script modified to avoid DG/Intel's FIND bug.

33800

On machines with long or complex host names, the install process
doesn't set the Uniplex system name (stored in /etc/sysid by default)
correctly:
- it can set a name longer than the 8 character maximum supported
  by the AOS mail system.
- it shouldn't use dot-suffixed domain information, which is not
  usually relevant to Uniplex. For instance, "xyz.default.com"
  and "xyz.uniplex-net" should both be seen by Uniplex as "xyz".
Seen in: 8.00

    The name is now derived correctly. If upgrading an existing
    system, the name is not changed.

```
                    PC :   Process Switcher
```

8451

Have the following processes active:-
1. WP (main menus)
2. UMAIL
3. UCALC
4. UFILL (graph options)
5. UGRAPH (from UCALC)
If I shell escape from UMAIL, I always lock up on CTRL-d back to
UMAIL - and have to kill -16 it from another terminal. Getting
rid of UCALC/UGRAPH/UFILL sorts me out.
I assume it is UFILL that's the culprit
Seen in: 7.00

9854   Wish
Should clear up "dead" UAP/pc files. eg: on exit from master process.
Seen in: 7.00

    Rather than add extra (potentially time consuming) processing to
    the Master process shutdown, UCLOCK now clears up "dead" files at
    periodic intervals.

9855

Hang up when process switch. Select EASILETTER, then DESK and Window
WP. ESC x s, fill in form which then starts a WP. ESC x s to Window WP
again & ESC Q to exit. Now hung up in original EASILETTER WP.
Seen in: 6.10

33932
The following commands fail: shell escape (Esc Esc $), start a
uniplex process (e.g. ucalc), process switch to the process from which
the shell escape was done.
On some systems (e.g. AIX) the terminal hangs and the process
from which the shell escape was done as well as its parent shells
all loop. On other systems (e.g. DG) the session is terminated.
Seen in: 8.10

33937
upcs -a (to print details of all the sessions) fails to report any.
Seen in: 8.10

PRG :   Personal Organiser, Easi-memo, Easi-letter, etc.

9706
When shell escape from WP during the Easiletter process, the process
hangs when exiting from the shell.
Seen in: 6.10   See Also: PC:9855

PRT :   Printing, Print-to-Screen, Index, T-o-C

33799
Setting the Printer Style field in the Print-to-Display dialog to
"From Document" is ignored, and so F3=Preview always uses the default
print style.
Seen in: 8.10

33935
Printing of the same document has changed between 8.00 and 8.10
A document with double rulers and an altered print style that
used to print perfectly with Uniplex 8.00 now prints the first
page ok but subsequent pages, seems to reset the print style to
some default style.
Seen in: 8.10

33985

If printing multiple copies of documents, without using the auto-copy
features of the printer (ie using -cm <number> rather than -c), THEN
the second, and subsequent, copies will be printed using the default
paper size for the selected printer, REGARDLESS OF the paper size
that was requested by the -P option.
Seen in: 8.10

```
         SCR :   Screen Builder, Formfill Manager (UFILL)
```

9419

Problems are still apparent with Sub-processes in ufill. In Easimemo
once text has been entered in the Eaaction screen select yes to all.
When editing memo do ESCY-I for internal memo select file-Shell failed
Seen in: 7.00a   See Also: PC:9855

10773

USBLD 'breaks' (sometimes core dumps) if there are more than 80(ish)
fields defined. Not only that but the errors generated are less
than useful, such as :"e' -wrap label undefined"
Seen in: 7.00

10798

Shell Escape (ESC-ESC-$) from a ufill which calls Uniplex such as
Easimemo will not exit back to Uniplex. The process hangs.
Seen in: 6.10   See Also: PC:9855

30426

Screen with very long COMMANDS section (> 250 lines) compiles, but
fails to run (get error: "Cannot read screen template").
Please Note: Complex/long shell logic is always best maintained as a
separate shell script that is invoked from the COMMANDS section.
Seen in: 7.01

31049

A screen with more than 252 map statements in the :MAPS section fails
to compile on the 252nd map statement with errors such as :-
"Keyword not recognized 'map'" and "Bad comparison character"
on an RS6000.
On SCO Xenix 2.3.2 the same screen fails to compile on the 254th
map statement.
There seems to be a system dependant limit.
          MACHINE SPECIFIC: IBM RS/6000, SCO , AIX 3.1, Xenix 2.3.2
Seen in: 7.01

33679

Can't enter all "8 bit" characters into UFILL and UFORM fields defined
as chars = 'U' with some versions of AIX 4. This is because the AIX
C library STRCHR function doesn't support "8 bit" characters properly
(it seems to recognise every other one in the UPPER list). This
also affect sorting (eg: in the Spreadsheet or in Word-processor
indexes).
Use "lslpp -L ¦ fgrep libc" to see the version of the library.
On machines that work this shows "bos.rte.libc 4.1.2.0" on ones
that don't "bos.rte.libc 4.1.1.0" or "bos.rte.libc 4.1.4.0"
                        MACHINE SPECIFIC: IBM RS/6000 , AIX 4.1.[14]
Seen in: 8.00   See Also: SS:33670


```
              SPL :   Spelling, Dictionaries and Thesaurus
```

30520

Spell checker fails with the message 'spell has failed' if any word
starts with the two characters y' or Y'. It also produces a core file.
The two characters on their own are fine. It should either return with
a list of alteratives or say "Skip this occurence"
So: Americans have to stop writing "y'all"!!
Get same problem with the 4-letter string: <any letter>/'Y
Seen in: 7.00 , 7.01a

31903

The spell checker fail on Uppercase portuguese characters with the
error message "Palavra contém caracter inválido" ("Word contains
invalid character"). Spell checking a word in Uppercase, that should
contain an accent and is written without (COMENTARIO for example
instead of COMENTÁRIO) will find an error and propose the same
word (COMENTARIO) without the accent as replacement.
LANGUAGE: Portuguese
Seen in: 7.01

33940

Updated version of all the Soft-Arts products are available, and
should be used to replace the existing Spelling, Hyphenation and
Theasauri dictionaries and their related sub products.
Seen in: 8.10

SS :   Spreadsheet

7583   **Wish**

There should be autosave in spreadsheet
Seen in: 7.00

9606

The -S flag in ucalc is ignored. Running ucalc -S custom.fn runs the
spreadsheet with default softkeys. If you want to change the default
softkeys you can alter a local copy of "issi.fn" in $HOME/UAP/uc and
compile it using skcomp issi.fn; this creates a local copy of
issi.sk which will be used on invocation of the Spreadsheet.
There is no way, however to use a softkey file with a name other
than issi.sk, as the -S flag seems to imply.
Seen in: 6.10

    -S now uses the named softkey file (in both the default, "issi",
    mode and in "ucalc" mode if that is selected).

11832

Complex USE file, with lots of WHERE directives produces varying
errors indicating that formulae are being incorrectly processed.
On a Sequent (7.00b) no error occurs on first USE of the file.
If, immediately after, a NEW directive is issued followed by
a second USE of the file then an E_ILL is generated
On a Xenix/386 (UCALC 7.00a) then the E_ILL is always generated.
If the USE file is then stripped of all the text directives of
the form "t rNcN,:=" then the USE'es (on both systems) always
generate "Rule depends on itself at E7".
Suspicion is the the parsing of either the "X" or "E" in the
WHERE commands are fouling up.
Seen in: 7.00b   See Also: 32183

30675

If you try to USE a file containing multiple "paste db" commands each
followed by DOWN 1 then UCALC hangs.
Seen in: 7.01b

31263

Any attempt to paste a database statement to row 32 fails to produce
any output. Other lines surrounding it are fine, other unix commands
are fine too.
Cursor down to A32, enter the following lines:
;db <database>
;paste db "select count(*) from <table>"
Result : Nothing!
Move one cell up or down and the result is either as expected, or
a core dump results, depending on the system being used.
If you instead use a command such as :
;paste "ls -l | wc -l"
on row 32 there is no problem.
        MACHINE SPECIFIC: IBM RS/6000, MIPS , AIX 3.1, MIPS 4.51A
Seen in: 7.01a , 7.01b

31812

Attempt to use a long @if formula gives an incorrect result :-
@if(B6==0,0,if((C6)>=25,if(B6==1,if((C6)>=100,1,2),if(B6==2,if((C6)>=
50,1,2)),1)),if(B6==3,if((C6)>=10,1,2),if(B6==4,if((C6)>=5,1,2),2))))
Shortening this one by taking off the very last if command gives
the correct result._
On SCO Unix 3.4.2, adding a ".0" at the end of each number in
the formula causes an error "Internal error in mktree()".
On other systems such as HP9000/800, there is no error but the
result is still incorrect.
Seen in: 7.01 , 7.02

32183
Attached sheet calculates differently, or fails to calculate, in
different environments. It contains a number of WHERE statements,
which demonstrate the problem.
To demonstrate, look at cell B5 (which contains a WHERE) after
loading the sheet in different ways on different machines:
```
     Dynix V8 pre-alpha  AIX V8 pre-alpha  SCO
     ("cor.05")          ("cor.05")        7.02
     ----------          ----------        ----
A:   1                   1                 1
B:   1                   2                 E_ILL
C:   ILL_E               1                 not tested
```
Tests were:-
A. Use Edit Sheet on character terminal
B. Use New sheet, then by /FR<F3><select sheet> on char terminal
C. As B, but on Uniplex Windows
Seen in: 7.02

   This problem was due to the WHERE function, which used to work
   very unpredictably. This is now fixed, and any sheets using
   WHERE functions should now calculate correctly - which may
   produce different results than with earlier versions.

TM :   AOS Time Manager (Alarms, Diary, UCLOCK, UDIARY)

30573
Delete Calendar Entries option resets the permissions for "ALL users"
to those defined in udiary.rc.
Seen in: 7.00 , 7.01

30894

Users recieve other users alarms (in addition to PSR 10720): if a
user aborts from Uniplex, his pc/Uppid and MASTER file is not cleared
down and so alarms will still be sent to the old tty.
If a user is terminated abnormally (ie: killed off for whatever
reason) the UAP/pc/MASTER file gets out of date. This leaves an
entry in the MASTER table associating a user-id with a tty and an
"ACTIVE" status. So the next person to logon to that tty will
receive the killed user's alarms.
If you run upcs you can see all active Uniplex users. At
present, clearing out the UAP/pc directory is the only way to
keep this clean.
Seen in: 7.01   See Also: 10720

    When it has nothing else to do, UCLOCK now checks all ACTIVE
    ("A") slots in the pc/MASTER file. If any of them are for
    no-longer-active Uniplex sessions, it removes any associated
    pc/<Uppid> file and marks the MASTER entry as DEAD ("X").
    To do this, more internal support for the Uniplex V7 "Network
    Layer" (NETWORK= flag in uniplex.sys) has been removed. Official
    support for this "Network Layer" was discontinued at V8.00.

31127

If DATEFMT flag in uniplex.sys set to four digit year (YYYY) you
cannot use the "date" option from the ring menu in Inquire/Amend
in Time Manager. Any attempt to type in a date results in a beep
with no error messages.
Seen in: 7.01a

32466

Users can fail to get alarms delivered if the UAP/pc/MASTER file
becomes corrupt (due to aborted Uniplex applications).
Also, when in this state, repeat alarms for the user won't be
getting updated (eg: if you use uclock -l to see what's going on
in diary.alarms).
Seen in: 7.01   See Also: 30894

    When delivering alarms for a user, UCLOCK now automatically
    corrects any pc/MASTER slots for that user that are incorrectly
    marked ACTIVE ("A").

33665   **Wish**
There is no default housekeeping of the diary.alarms file, so it can
contain entries for long-gone users.
The housekeeping script should call "uclock -d" to remove out of date
alarms.
It would also be useful to have a mechanism to remove all alarms
for a named user.
Seen in: 7.00

    The housekeeping script now has a "-data" argument which calls
    "uclock -d NN" to remove old entries as well as old trashcan
    files. To avoid any need to update existing housekeeping calls,
    "-data" is a synonym for the old flag "-trash" (ie: "houskeeping
    -trash" now clears out old diary.alarms entries as well).
    "uclock -l username" and "uclock -r username" can now be used to
    list or remove all a user's alarms.
    See the Technical Guide for more information.

33898
uclock -l incorrectly formats alarms with dates in the next millenium
To reproduce set an alarm for sometime in the year 2000, and then issu
uclock -l. which reports "\??" rather than the date.
NOTE that it is OK in the alarms file.
Seen in: 8.10

33976   **Wish**
The diary.holiday file should be updated to move the zone recorded
forward a year or two.

13200
Resize a UTERM too small. Kill the ALERT box. Resize the window
larger and UTERM core dumps or MWM loops.
NOTE: This is not fixed in 7.01, see PSR 11979.
This problem cannot be reproduced with V8.10 or V9.00.
I believe that PSR 11979 has resolved the problem UNLESS it was
dependant upon a particular MWM running on a particular platform.
If Anyone can reproduce this problem using V8.10, or later,
version of UBS could they please supply details including
PLATFORM, version of MWM, and exact details of what programs were
being used in the relevant window.
Seen in: 7.00c

30966
Invoking popup clock under desktop and attempting F12 causes uterm
application to hang on some systems.
Under Uxwindows popup clock only requires to read one character
to quit. On some OS' (AIX, Control Data, hpux) attempting to
send more than one character (eg F12) causes hanging. This is
due to the way the terminal driver is working. The mode it is in
is where unread characters of a processes life are passed to
the next application and not disregarded. The reason for this
is that we use TCSETAW and not TCSETAF in out ioctl call to
reset to controlling terminals stty settings. TCSETAF differs
from the current ioctl call that pending, unread characters
are disposed of by the current process. This forces the behaviour
we want rather than hoped for with TCSETAW.
                              MACHINE SPECIFIC: IBM RS/6000 , AIX 3
Seen in: 7.01

32866
Application hangs if you use ESC key to exit popup clock (eg: ESC q).
                    MACHINE SPECIFIC: IBM RS/6000 , AIX 3.2.5
Seen in: 8.00   See Also: 30966

33691

If you use the Spreadsheet menu option "Work with Existing Sheet" when
the Current Folder of the menus system is not the one that "uxwindows"
was run from, the new Spreadsheet window opens but says "Sorry, cannot
find that save file".
This is because all application calls that open a new window
invoke the application from the directory that "uxwindows" was
run from (usually $HOME).
Seen in: 8.10

33716   **Wish**

Want to be able to disable the shutdown dialog box - so that the
Uniplex Windows (UXSPAWN) session ends when the last Uniplex Windows
window is closed.
Seen in: 8.10   See Also: 9057

    This can now be done by setting the new resource,
    Uxwindows.QueryShutdown to False.

33744

Resizing the window once File Manager (FM) is running can result in a
core dump when re-activating FM after a Quit or Select. The core dump
is often not noticed, since when the user tries again to use FM
(thinking he/she didn't press the key right), a new one starts up
and everything works correctly again.
Similarly, if Process Switching is used to re-enter FM, instead
of Quit/Re-activate, the result can be a totally corrupted FM
screen. Once this happens, no amount of Process Switching and
redrawing (Esc v) will cure the screen.
Seen in: 8.10

8126   Wish
".PM" command with no arguments should be allowed immediately
before a text line to mean "keep the following paragraph
together - however long it is". Thereby saving you having to
count lines
Seen in: 7.00   See Also: 33880

    This has now been done. The ".PM" can also have two other forms:
    ".PMS" and ".PME" to mark the start and end of a block of lines
    that should be kept together.
    The Word Processor ring menus "dot command editor" both now use a
    new popup dialog to assist in the creation and editing of the
    extended ".PM" command.

12700
Deleting header/footer can still destroy an adjacent header footer.
eg: .FO 2
      xx
      yy
      L......T.......T..   one ruler
      L......T..T....T.... another adjacent ruler
      .FO 2
      AA
      BB
Position cursor on second ruler and do CTRL-x 3 times and watch
first footer screw up (.FO2 becomes .FO0). See file: PSR.12700.
Under Magenta.015 on brian, having done this, delete a few more
lines and the "Page Footer" message at the "broken" .FO0 turns
to "MSG 304 n/a". This does not go away even if you exit to menus
and re-edit, only way to get rid of it is to QUIT and
reload Uniplex.
Seen in: 7.00c

31339
Re-compiling "uniplex.sys" using "syscomp -s" causes any changes to
the preset WP rulers to be lost.
Seen in: 7.01

33797

Searching backwards for any word over 8 characters fails to locate any
matches. The same search forward works, as does any search for less
than 8 characters.
For example: open the Release Notes in the Word-processor and do
Esc-b to go to bottom of the file. Do Esc-l-b and enter
Word-processor in the search criteria, and search will miss the
one two lines up and go to the beginning of the document.
                                 MACHINE SPECIFIC: HP 9000 , HP-UX
Seen in: 8.10

33813   **Wish**

The Column Count working option should be Line&Column by default.
Seen in: 7.00

33858

The hyphenation sub-process isn't terminated properly when a new one
is started, which can result in multiple processes reading the
keyboard.
This is mainly noticed in languages that have auto-hyphenation
set on by default (eg: German, Dutch and Danish) and when
multiple processes and Uniplex process switching are used.
From 8.10, the File Manager encourages the use of sub-WP
processes, and the problem is more prevalent.
Seen in: 7.02   See Also: 33862

33868

Automatic hyphenation in the WP, when run as a separate process under
the File Manager, can cause process switching problems resulting in
very confusing output.
WP needs to have its hyphenation option active, I had "automatic"
1) Started main menu (unix command "uniplex")
2) Entered File manager (F on the menu)
3) Selected attached file from the file list to browse with WP
4) <F2>->Layout->Format->All
5) <F1> to exit to EITHER FM or Main Menu - either may appear
6) <esc>V, tabbing around etc - sometimes main menu pieces appear
   sometimes FM screen
7) <esc>Q may put you back to unix, or maybe into the main menu
8) If unix the message Error -130 : END OF FILE (errno = 5) may
   appear, if back to main menu, then Selecting Q for quit is OK
                           MACHINE SPECIFIC: Sun SPARC , Solaris 2.4
Seen in: 8.10

13734

P14-18: Resource for softkey buttons must specify program name, not
"xst". eg: GdX11*XmPushButton*fontList
Seen in: 7.01a

Appendix B - Known Problems

The following pages describe various known problems with, and common enhancement requests for, this release of Uniplex.

```
                        DBF :   Database
```

11067   Wish
When running in DEMONSTRATION MODE, Database Forms should tell you
that a FIND, NEXT or PREVIOUS has failed due to the 50-record license
restriction, rather than just saying "No (more) records found".
Seen in: 6.10c

```
                        EM :   AOS Mail
```

33996   Wish
If a MIME-encoded message is received with a forwarded MIME-encoded
message as an attachment, the attachment is kept but not decoded.
It would be more useful if decoded and stored as several attachments.
The forwarded message is stored as an attachment called "rfc822".
If it necessary to decode it, a workaround is to:
1) Use "copy" to write it to a file. It can be in a temporary
   directory, but the filename must be the users own userid.
2) Edit the file to remove carrige return (control-M) characters
   from the ends of the lines, and to ensure that the first line
   starts "From " (with a space after the word "From").
3) Run umd_runix with the name of the file as the argument.
The forwarded message will then appear as a seperate message in
the user's mail tray.
Seen in: 9.00

33220   Wish
The filenames found from the File Manager using "Find->By Name" and
"Find->By Content" should be displayed and accessible in the File
Manager, just as the "Find->Search Index" ones are.
Seen in: 8.10

33286   Wish
You should be able to disable the File Manager's automatic replacement
of Unix directory names by text strings from folder.ctl - ideally from
a preference, but certainly with an environment variable.
Seen in: 8.10

33287   Wish
Horizontal and Vertical scrolling in the File Manager could be
improved:
- The Tree list often scrolls sideways unnecessarily. Even when it is
  necessary, rightwards scrolling leaves no indication that
  hierarchy lines and leading folder name text have been clipped.
  There should be some form of indicator that this has happened
  (cf: the vertical "scroll bar" in the Keywords list).
- When scrolling vertically, a complete page is scrolled when you
  move the cursor off the top or bottom of the list. This can
  cause a confusing loss of context. For instance, on expanding
  (+) a folder in the last line of the Tree View nothing visible
  happens (since the expansion is on the next screen).
Seen in: 8.10

33312
When displaying "Last modification" or "Size", the Refresh command
does not update these fields if they are the only things that have
changed in the folder list. Likewise re-opening a folder which
has a cached list does not update these fields.
Seen in: 8.10

33328
COPY should not lose focus on source file
Seen in: 8.10

33331

When you use F5=File Manager from the File Manager's Move or Copy
dialog, when you return to the dialog from SELECT mode, the dialog
haw a blank background (rather than the tree/folder display).
Seen in: 8.10

33339   **Wish**

When folder list is cleared while being prepared, it would
be nice if the "Busy..." messages was in the folder area, not
the hint line, because this is where your eye is looking.
Seen in: 8.10

33340

The boxing round the file permissions on various forms have
incorrect characters on some of the inner joints (so the lines
don't quite join up).
Seen in: 8.10

33343   **Wish**

Some enhancements that could be made to the File Manager:
- Menu option File->New->Template would be useful, saving the
  need to move to a template area before doing File->New->File.
- Folder field on Create forms should be read only.
- The Type field on the Create Folder form is confusing and
  should be omitted.
- When some actions are complete, you should be returned to
  the menus, not the Main Screen. eg: Move, Copy
- Rapid properties preference, where subset of properties of
  current file/folder shown on hint line.
Seen in: 8.10

33346

Make Main Branch (in folder list) provides a loop-hole in the Non
Accessible folder mechanism (folders marked "H" in folder.ctl).
If such a folder is Expanded, it becomes the current folder and shows
with "No access to this folder". However, Make Main Branch then
makes it the current folder and shows its contents (because it is
now the base folder as if opened using Open Folder).
Seen in: 8.10

33347

Make Main Branch (in tree list) does not recalculate the "No access to
parent" status of the current folder. If the new base folder is one
of these (marked with a "B" in the folder.ctl file), this does not
become apparent until the user navigates into a sub-folder and
back out again, which is confusing.
Seen in: 8.10

33353   Wish
Folder list display of template area should ignore user's DISPLAY
DETAILS "Name/Title" preference and always show name of files and
folders in template areas as the first non-empty string from:
- Text entry from the folder.ctl file
- The item's Title
- The normal Name display for other files.
Also, the Properties form should insist that a non-empty title is
supplied for items in Template areas.
Seen in: 8.10

33355
If the File Manager is first invoked from a split screen application
(eg: F9/F6'd WP), whenever it invokes that application again (eg:
from its Application menu) the application will run in the same split
screen size.
Seen in: 8.10

33409   Wish
As in the Word Processor and Spreadsheet, the File Manager should let
you use CTRL-\ to interrupt potentially lengthy operations, such as:
- Search
- Convert
- Copy, Move, Delete of very large files.
Seen in: 8.10

33425
The File Manager does not handle files with 000 protection correctly.
Attempts to copy them fail with "No write permission" (sic).
Attempts to change their properties fail with an empty ERROR dialog.
Seen in: 8.10

33442
If the File Manager is first started using F12/F4, whenever you Quit
from it, the application you return to beeps.
Seen in: 8.10

33458   Wish
There should be a "Restore from Trashcan" option; this would be
simpler than the current procedure where you have to move a file back
from the Trashcan.
Seen in: 8.10

33488   Wish
In the File Manager, Personal Templates should be at the top of the
Template selection list in create/properties forms.
Seen in: 8.10

33514
The File Manager program does not change its working directory.
Thus, when you shell out from it (eg: using the Applications menu),
you are not in the current directory - but in the directory that the
File Manager was first used from. This is a confusing for a
Unix-literate user.
Seen in: 8.10

33516   **Wish**
The UFMSCAN utility core dumps if there is not enough temporary disk
space in the Uniplex $Utemp area to run the database query.
Work around: if you can't free up enough space on the $Utemp
filesystem, set DBTEMP in the dbs/interfaces FILE_MANAGER section
to the name of a directory on one with more space.
Seen in: 8.10

33550   **Wish**
Unlike earlier versions of Uniplex, if, from the main menus, you use
the File Manager to select a file that is not in the (main menu
applications') working directory, the application does not force you
to change directory to that containing the selected file.
There should be an option to allow this mode of operation. For
instance, a File Manager "Auto-change to folder of selected
file?" preference with three values:
- NO (ie: work as per current version 8.10)
- YES (ie: do it automatically)
- CONFIRM (let user confirm change each time it may be needed)
Note: the most effective way to manage your way round folders is
to use Open from the File Manager to access files (which runs the
appropriate application in the files parent folder).
Seen in: 8.10

33559
Root user (any user with HOME folder of "/") cannot access Personal
Templates (ie: files in /UAP/outlines) using F5=List Templates on the
CREATE and SEARCH forms.
Seen in: 8.10

33192   Wish

The operation of various ring menus is inconsistent:
1. In the "permanent" ring menus (ones which are almost always
   displayed - ie: all except the Word Processor and Spreadsheet
   ones) in Mail, Time Manager and the File Manager browser,
   focus stays on the last-used item. However in Print to Screen
   and Database Forms it always reverts to the first item.
2. In the Word Processor and Spreadsheet, typing the first letter
   of the ring menu item will action it. But, in the "permanent"
   menus, this moves the cursor to the item, but you then have to
   press RETURN to action it.
3. The File Manager drop down menus are only "typomatic" within a
   drop down. You can't move to another drop down using letter
   keys (eg: "/ A" does not take you to the Actions menu).
   Typing the letter of a drop down action does not "load" the
   appropriate form (eg: you can't type "/ A C" to load the
   File->Actions->Copy form).
Seen in: 8.10   See Also: 30933

33620

Character Clients and the File Manager fail with "Failed to read
udastc.msg" if you lose the symbolic links with the $Unode and/or $NVO
areas.
For instance, if you back-up and restore the $Unode area with a
utility that loses the symbolic link from $Unode/NVO to
$Unode/NVO.subset (or other $NVO area on an ongo-link'ed system),
when a Character Client or the File Manager next starts it will
attempt to create the directory $Unode/NVO and fail with this
error message.
If the user is root, the $Unode/NVO directory will be created.
If not, it won't and the application can fail without showing any
error.
Seen in: 8.10

33127
                                                           Wish
When the new Print-to-Screen ring menu is active, it would be nice if:
a) direct commands (such as CTRL-d for next page, Esc-f for Find and
   Esc-xe for Edit Mode) were accepted.
b) "Focus" stayed on the last used ring menu option. For
   instance, having pressed "N" for Next_Page, this option should
   remain highlit, so you could just go on pressing RETURN to
   continue Next_Page-ing.
Seen in: 8.10   See Also: GEN:33192

SS :   Spreadsheet

33115
When using Bordered Area titles, attempts to move the cursor into the
Bordered area are not allowed, and just move the cursor to the nearest
cell to the target.
For instance, if borders are set at B4, F5=Goto D2 will go to D4.
This is fine for real user input, but means that macros or list
files that attempt to move the cursor into such areas can fail.
Macros which use self modification techniques can also loop. To
avoid this they should always set off borders before processing.
Seen in: 8.10

33600
When using the new Border titles, on-screen Page Width markers do not
reflect the border column(s). The printed page width breaks are
correct, but the on-screen marker shows the break as it would be if
there was no vertical border.
Seen in: 8.10   See Also: 33160

33241
If you repeatedly and rapidly Quit from last UTERM window and then
press Restart button on new "Exit Uniplex Windows?" dialog, the
dialog becomes unusable, and you have to use MWM close button to kill
it (and therefore the UXW session).
MACHINE SPECIFIC: IBM RS 6000 , AIX
Seen in: 8.10

33430
The File Manager help glossary terms are not mouse sensitive. Return
displays the text box correctly but a mouse click does nothing.
Seen in: 8.10

33619
Every time a new Uniplex Window is opened, two warning messages appear
on the terminal from which "uxwindows" was run, both saying:
  "No type converter registered for 'String' to 'Bitmap' conversion"
MACHINE SPECIFIC: IBM RS/6000 , AIX 4.1
Seen in: 8.10   See Also: 33617

33628
"8 bit" characters in window titles and icon names will only be
correctly displayed if the appropriate Window Manager resources
specify a font that can display them.
For instance, add the following to $HOME/.Xdefaults:
mwm*fontList :
  -adobe-helvetica-bold-r-normal--10-100-75-75-p-60-iso8859-1
LANGUAGE: All non-English
Seen in: 7.02

33207

When saving a file, if you use DOWNARROW (or a softkey) for the File
Manager and then Quit from the CREATE FILE form, you should not get
the error "Cannot write to document".
This is one symptom of a general problem with quitting from
CREATE mode (which has existed in Uniplex for a long time - you
got exactly the same using the preceding "Folios" system).
In many other instances of Quit from CREATE mode, this also quits
the original filename entry form in the application, when it
should just return you to it.
Seen in: 8.10

33434

Using the File Manager to select Print-Time-Merged files (graphs or
text) can give ambiguous pathnames if you save a document in a
different directory.
For instance: Create document, Print-Time-Merge merge a file
from sub directory "sub1" using the File Manager (ie; creating
".ME sub1/subfile" line). Save the document in a sub-directory
"sub2". Then print the document, and you get the error message
"cannot open merge file sub2/sub1/subfile" flashed on the screen.
Seen in: 8.10

33560

If, when editing a file not in your current folder, you downarrow to
the File Manager to edit the filename on a print time merge command
which has a pathname that is not valid relative to the current folder,
the File Manager shows you files in your current folder, not the
folder of the file you are editing. For example:
- edit file "sub1/mainfile"
- use F2->File->Merge>_Print_Time_Merge to create a ".ME"
  command. Use downarrow, and you are correctly shown files in
  the "sub1" subfolder.
- Select a file in this folder, "subfile". The ".ME" command is
  correctly set to ".ME subfile" (NOT ".ME sub1/subfile").
- Now edit the ".ME" line and type downarrow and you are
  positioned in the current folder, not "sub1".
Seen in: 8.10

33575   **Wish**
When you create a UNIPLEX II PLUS file from the File Manager and don't
use a template, it creates an empty file.
It should create an empty Pre-styled document, using the default
Word-processor printer and style (as happens when you use Createm
the Word-processor menus).
Also, when you create a new file it should automatically be
opened.
Seen in: 8.10