Release Notes

The build date is shown in the *About* window selected from the *Help* menu.

Date	Type	Description
July 4th, 2008	**Kit**	**4.0 SP4 released**
July 2nd, 2008	Fix	Fixed problem created a new identity when starting program.
June 30th, 2008	Fix	Serious memory allocation problem in the Waterfall.
June 14th, 2008	Add	New contest tag <last-sent-text> which is used to resend the last sent text exactly as it was sent, this overcomes a problem with date & time tags which may have a different value when the same macro is resent.
	Add	Added new time tags *now_hhmmss, now_utc_hhmm, now_utc_hhmmss*. These tags are replaced with the current time when the macro is selected rather than when the tag is set (as with *time_hhmmss, time_utc_hhmm, time_utc_hhmmss*). These tags have been added for contest use where the time is sent as part of the exchange.
	Fix	Bug displaying worked status ticks in the QSO receive window when text was selected.
	Fix	Bug sending reports to the PSK Reporter when adding entries into the logbook. The values for *my station* (callsign locator antenna) are now taken from the tags window if empty in the logbook record.
	Add	*Contesting Notes* to the Help menu.
June 14th, 2008	**Kit**	**4.0 SP3 released**
June 12th, 2008	Add	*SuperBrowser* menu, *Logfile / Show Status* adds diagnostic information to the logfile, design for use when the SuperBrowser is not working correctly.
June 10th, 2008	Change	Moved the QSO window layout buttons into a popup.
June 8th, 2008	Change	Added extra checks to make sure that the text decoded at the cursor position in the waterfall is only shown when the waterfall is actually visible.
	Change	While the left mouse button is pressed text updates in the QSO receive are deferred so that the user can select text without the window contents changing while new characters are displayed. As soon as the user releases the left mouse button the deferred characters are added.
	Fix	To get around some screenshot issues DM780 now intercepts *Alt + PrintScreen* and generates the image internally copying it to the clipboard and opening it with the default image viewer.
	Add	Extra QSO display layout - two vertically aligned windows. Handy for those with nice wide monitors.
June 6th, 2008	Fix	Radio pane configuration not saving address and port in registry correctly.
	Add	Screen capture now copies the image to the clipboard ready for pasting into any image editor.
	Change	If the connection to HRD times out or is lost 3 attempts are made to reconnect before declaring the connection as lost, giving up and going home.
	Change	Background threads now have a 1 second timeout instead of infinity when waiting for data to process - this is part of an attempt to find out why DM780 sometimes locks up.
	Fix	Image data object leak causing bitmaps (smilies, ticks) to not be displayed correctly in the QSO receive window.
	Change	Radio pane configuration window now prompts to save changes when cancelling (pressing escape of the [X] in top right corner).
June 4th, 2008	Fix	SSTV no longer crashes DM780 when synchronising with a P-mode image.
June 2nd, 2008	Change	QSO window received text updates not batched unless there is a text selection to reduce CPU load.
	Change	Callsign lookup in QSO window changed to use CMap (a dictionary collection class).
	Change	Reduce frequency of metric updates in QSO receive window to a maximum of once per audio sample, in PSK63 / PSK125 this was causing far too many updates and consuming excessive CPU. This is important for systems with low CPU / onboard video.
	Change	The waterfall spectrum display now honours the smoothing value.
	Change	Minor changes to Hell fonts selection window.
	Fix	Waterfall spectrum mode now works correctly, always displaying grid and spectrum.
May 31st, 2008	**Kit**	**4.0 SP2 released**
May 30th, 2008	Change	Clicking in the QSO windows' received text selects the current word when the left mouse button is released (previously: pressed).
May 29th, 2008	Fix	The Favourites in the SuperBrowser did not honour the Toolbar Layout setting in the Favourites Manager. This is important for consistency at the very least, also for use with sub notebooks.
	Change	Clicking in the QSO windows' received text selects the current word ready for dragging into the contest logbook toolbar *and* copies the selected text to the clipboard.
	Fix	16- and 24-bit colours in the Waterfalls and image editors (Red abd Blue were transposed).
May 28th, 2008	Change	**Important:** the tags used in macros have been redesigned, his tags (from the Add Log Entry window) now have the **his:** prefix (previously LOG:), the DM780 user's tags now have the **my:** prefix (previously no prefix). *Current definitions are automatically upgraded when loaded.*
	Add	SuperBrowser menu, QSO Window popup now has three default layouts.
	Add	Added *Tools* menu option to keep DM780 as the topmost application while sending.
May 26th, 2008	Fix	Crash when typing text in the QSO window and logbook toolbar not started.
	Add	Input signal level now shown in the status bar next to CPU usage.
	Fix	QSO window worked status (tick next to callsign) corrected to support slash zeros.
	Fix	Dragging text into ALE now runs the post-processing (callsign lookup, copy text to logbook toolbar etc.).

May 21st, 2008	Change	The spectrum display in the waterfall is now calibrated from 0dB to -100dB, the range shown selected from the Program Options.
	Add	Added a *logbook toolbar* to the QSO input window - to toggle this toolbar press the **>>** icon in the input toolbar. The logbook toolbar is closely tied to the *Add Log Entry* window.
	Fix	Waterfall inconsistency displaying tuning guides when the tuning indicator was not enabled.
	Change	Moved buttons from the Waterfall toolbar to the Display dropdown to avoid clutter.
	Change	Clicking in the QSO windows' received text selects the current word ready for dragging into the contest logbook toolbar.
	Fix	Serious memory leakage due to over-aggressive sanity timer in the radio pane, sanity timer changed to 10 seconds from 1 second. The TS-2000 (and some other radios) does not always respond inside one second (a HRD restriction).
	Change	Don't send empty callsigns to the PSK reporter.
	Fix	HRD communications failed to correctly exit due to timeouts or other TCP/IP errors, it could take up to 30 minutes! This fix ensures that DM780 responds better to loss of connection with HRD.
	Fix	Feld-Hell was not updating the output window as soon as text was received / sent.
May 17th, 2008	Change	Modes manager window now resizable (the modes just keep on growing).
	Add	Show the worked status next to callsigns in the QSO receive window, handy in contests. Currently a tick is shown if the callsign has been worked on the current band. If not worked nothing is shown.
May 17th, 2008	***Kit***	***4.0 SP1 released***
May 17th, 2008	Change	Changed callsign lookup message handling to use PostMessage() instead of SendMessage().
	Change	Decoding popup in the main waterfall now honours GetDoubleClickTime() as the delay before the popup is displayed.
	Change	Macro buttons now shown with a vertical side bar either side.
May 16th, 2008	Fix	MCW correctly sends the special characters ü, ä, ç, ö, è, é, å and ñ.
	Fix	Waterfall tuning indicator now correctly displayed when the tuning guides are not selected.
	Change	Added WS_CLIPCHILDREN and WS_CLIPSIBLINGS to the Tags and ALE child dialogs in the QSO window in an attempt to overcome a problem first seen with 64-bit VISTA.
	Add	Cabrillo support for the EU PSK DX Contest http://eu.srars.org/ .
May 15th, 2008	Change	Don't submit to eQSL.cc if the callsign being logged is *My Callsign* - for example when logging test transmissions some users put their own callsign in the *Callsign* field.
May 14th, 2008	Change	Optimised the PSK decoder in the SuperBrowser so that some unnecessary code is not used.
May 13th, 2008	Change	Macros: now up to ten sets of definitions supported, task panel optionally loaded by group (default) or in a single list (save space).
May 11th, 2008	Change	Main waterfall now uses less CPU.
May 10th, 2008	Fix	Found and fixed a situation where a window could register to receive frequency messages multiple times CMainFrame::RegisterFreqMsgs(). The call was from CDisplayCanvas::Initialise(). When changing frequency DM780 crashes.