

JT65-HF 1.0.9 Addendum

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Changes to version 1.0.9

Operator's call-sign and grid must be valid for use with JT65 Protocol. If not transmit will be disabled. This will also impact the (few) stations using SWL call-signs as those will not validate.

New message parser and generator code. Message parsing is now more strict in what "it" considers as a valid exchange. In some cases decodes that would generate a message in previous versions will not in 1.0.9.

New RB code. The RB code has been completely overhauled on both the server and client side – this will have little impact on end users other than no longer spotting certain non-standard messages that previously spotted (often with error).

Removed small GUI version. In its place the program is now resize-able to a minimum height of 550 pixels. This should accommodate small screens found on some Net-books, but, 550 pixels vertical height is an absolute minimum height. The horizontal resolution remains locked at 935 pixels.

Added line to separate decode periods in decoder text output area. The separator line **will not** display if you have a small vertical height.

Log window now contains option to clear notes field at each showing of window or not. Any text in the notes field is also saved to configuration file in case you wish to use a persistent text for it.

Increased user defined QRG and macro spaces.

Deleted all WARC band frequencies from predefined (hard-coded) menu. In practical terms there are only three bands where there is no (or very little) contention over correct frequency – those being 20, 15 and 10 meters.

In the case of 40 and 80 meters there is contention with the "standard" frequencies but not so much as to warrant removal of them as promoted values.

For the WARC bands there is absolutely no agreement on a good value set that works for the **entire world**, so, I have decided to get out of the mess by letting the users decide without my input where to operate on those bands. An imperfect solution at best, but, until things change in this regard it will remain the solution of choice.

Many bugs fixes.

Fixed issues with local settings for decimal and thousands separators. The code should now work regards of your chosen characters for those items.

Forcing Unicode strings so Cyrillic characters (and – potentially – other extended types) now display properly. Mainly applies to sound device selectors.

Somewhat more robust parsing of frequency values. Should now better handle the (too) many ways one can enter a frequency value.

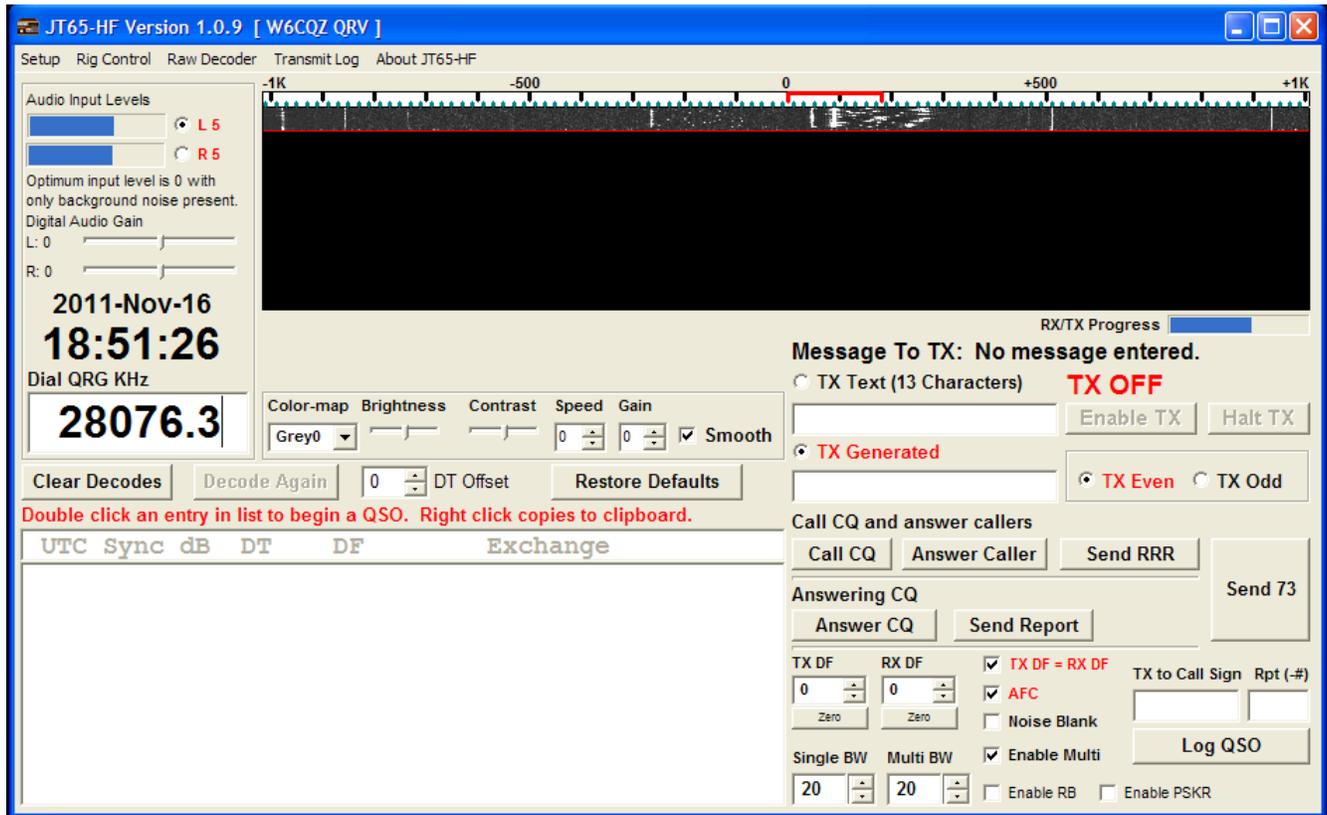
Better handling and prevention of ghost decoders from left behind kvasd.dat file. The occurrence of false decodes from this problem should be greatly reduced compared to previous versions.

Improved audio device selection and initialization code to attempt avoidance of issues seen in past versions. You will be warned if your currently selected audio device doesn't match what was used in the previous run. There will still be difficulties with some specific hardware devices and user configurations – but the situation should be somewhat better for most.

Introduction

For long time users of JT65-HF the first thing you will notice is the main window. It will be **small and somewhat different from what you're accustomed to.**

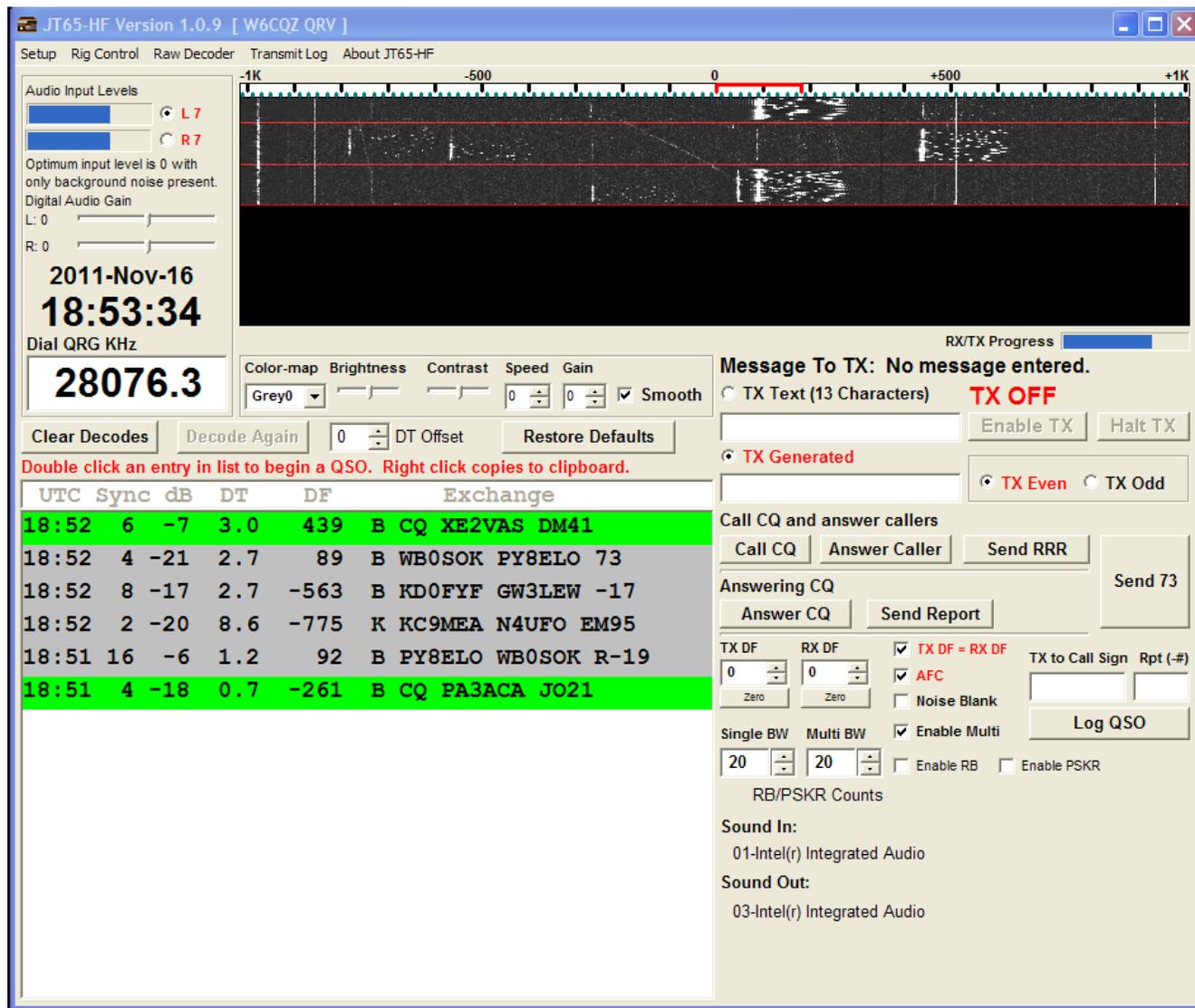
JT65-HF 1.0.9 at its initial (smallest) vertical height.



In order to make the window sizing dynamic many control items had to be moved – you will note the buttons for Clear Decodes, Decode Again and Restore Defaults along with DT Offset adjustment have been moved above the decoder output versus being below it in past versions. The entry box for dial frequency has been moved as well.

If you increase the screen height by resizing the window vertically you will end up with something like the following.

JT65-HF 1.0.9 at a larger vertical height.



As you increase the vertical height you get more decoder output space, the waterfall increases height to its maximum and you see a bit of information displayed below the BW selectors.

Change to window height is saved and remembered between runs.

Setup and operation.

Please refer to jt65-hf-setup.pdf also contained with the installer. General setup and operation is essentially unchanged from prior versions, with exceptions noted prior dealing with call-sign and grid validation along with more strict message parsing.