



DDUtil v3 - Release Notes

VERSION: 3.2.0.00

Release date: 2015-3-26

Smart SDR/Cat compatibility: 1.4.1

Introduction

This software is released and intended to be used with the following **FlexRadio Systems** radios:

Legacy – F1500, F3000 and F5000.

Signature – 6300, 6500, 6700 and 6700R.

Additional radios utilizing 3rd party modified versions of **PowerSDR** software may also be used, but without author support or any guarantee of functionality.

Upgrading to this Software Release

This Software Release is available via **DDUtil's** automatic update feature, the **DDUtil** Help menu or from the **DDUtil Wiki** download page.

<http://k5fr.com/DDUtilV3wiki/index.php?title=Download>

This new release may be installed over any existing release without uninstalling or removing any files.

User settings and other files are preserved in special directories other than the install directory.

While **DDUtil** can be installed in any directory it is recommended to use the default directory specified by the installer (C:\DDUtil_V3) for documentation and compatibility purposes.

Please report any bugs/defects to the **DDUtil Yahoo Group**.

<http://groups.yahoo.com/neo/groups/DDUtil/info>



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Defects, Enhancements & New Features

NEW ANNUNCIATOR GROUP

A new **Annunciators** group has been added to the **Misc** form. This group is for **F6K** users to see and manipulate some of the **SSDR** controls not readily available or unhandy due to their location or operating position.

The screenshot shows the 'Misc' form in DDUtil v3. At the top, there's a 'Misc' header with a pin icon. Below it are several controls: '13.9' (Volts), '32.1° C' (Temp), '5' (BCD), 'OPER' (green button), 'Set' (yellow button), and '27' (yellow button). Below these are '122' (blue button), '24' (blue button), '4' (green button), a sun icon, '15:32:33z' (time), '1' (blue button with up/down arrows), and 'Off' (blue button). Below these are 'Fwd' (0) and 'Swr' (0) (both in white boxes), and 'KPA500' (red text). Below these are 'Avg' (S1), 'Std' (S1), 'Peak' (-118.6), and 'dBm' (-117.3) (all in white boxes). Below these are 'A' and 'B' (both in white boxes). Below these is the 'Annunciators' group, which contains several buttons: 'agc' (OFF), 'apf' (OFF), 'mute' (OFF), 'nb' (OFF), 'nr' (OFF), 'slice' (0), 'lock' (OFF), 'RF' (10), 'MUTE' (ON), 'R/XIT' (R), 'TUNE' (X), 'AMP' (20), 'KPA500' (red text), 'DB-36' (blue text), and 'W' (green button).

These controls are actually buttons that will toggle on/off functions or step through option ranges of some controls like AGC, Slice, RF Gain and Amp. When activated most buttons turn a light pink to show they are on. RF, Slice and Amp do not change color as they step through ranges of values.

Lower case button titles indicate slice functions and Upper case titles indicate a global function of the radio or panadapter, i.e. **Mute** is speaker audio mute (all slices) and **mute** is active slice audio mute. The slice functions apply to the **active** slice only.

Notes:

1. Virtually, all controls have a **Tool Tip** that describes their function, These Tool Tips can be seen by hovering the cursor over the control of interest.
2. Users not wanting to see or use this new feature can grab the bottom border of the Misc form and drag it up to cover as much as they wish to not see.



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MACRO COMMANDS

- Added **DD6AGC** (sets AGC-T mode)
DD6AGC{0-7|9}:{0-3}
DD6AGC0; set slice "A" AGC Mode to FAST
- Added **DD6APF** (set APF on/off)
DD6APF{0-7|9}:{0|1}
DD6APF0:1; turns slice "A" APF on
- Added **DD6APG** (sets APF Gain)
DD6APG{0-7}:{000-100}
DD6APG0:050; sets the "A" APF Gain to 50
- Added **DD6AUM** (Slice Audio Mute)
DD6AUM{0-7|9}:{0|1}
DD6AUM0:1; mutes slice "A" audio
- Added **DD6NBG** (slice noise blanker gain)
DD6NBG{0-7}:{000-100}
DD6NBG0:050; sets the "A" NB Gain to 50
- Added **DD6NRG** (slice noise reduction gain)
DD6NRG{0-7}:{000-100}
DD6NRG0:050; sets the "A" NR Gain to 50
- Added **DD6SAP** (slice audio play on/off)
DD6SAP{0-7|9}:{0|1}
DD6SAP0:1; turns slice "A" play on
- Added **DD6SAR** (slice audio record on/off)
DD6SAR{0-7|9}:{0|1}
DD6SAR0:1; turns slice "A" audio record on
- Added **DD6SDC** (slice DAX channel)
DD6SDC{0-7|9}:{0-9} (channel 0 = None)
DD6SDC0:2; sets slice "A" DAX channel to 2



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MISC

- Fixed **ZZMU** Cat command throwing errors.
- Fixed mode on **DDUtil** title bar not changing when band is changed.
- Added **AF MARS** frequencies to **Auto Drive** table.
- Fixed **Auto Drive BOBC** option bug.
- Added **Auto Drive** power window to **Misc** form (top row R/H window).
- Added **60 meters** to Barefoot **Auto Drive** settings.



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Application Notes

None for this release.

Known Bugs and Limitations

General

This is considered Beta software and as such may have bugs/defects that can cause your computer to become unstable and/or crash. If you don't feel comfortable using Beta software you might consider using **DDUtil v2** which is considered mature software. But, you'll miss all the fun too.

End-User License Agreement

DDUtil (Data Decoder Utility) a software product.

General

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http://k5fr.com/DDUtilV3wiki/index.php?title=Main_Page