

DDRConfig Utility

User Guide v7.x



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DDR Config

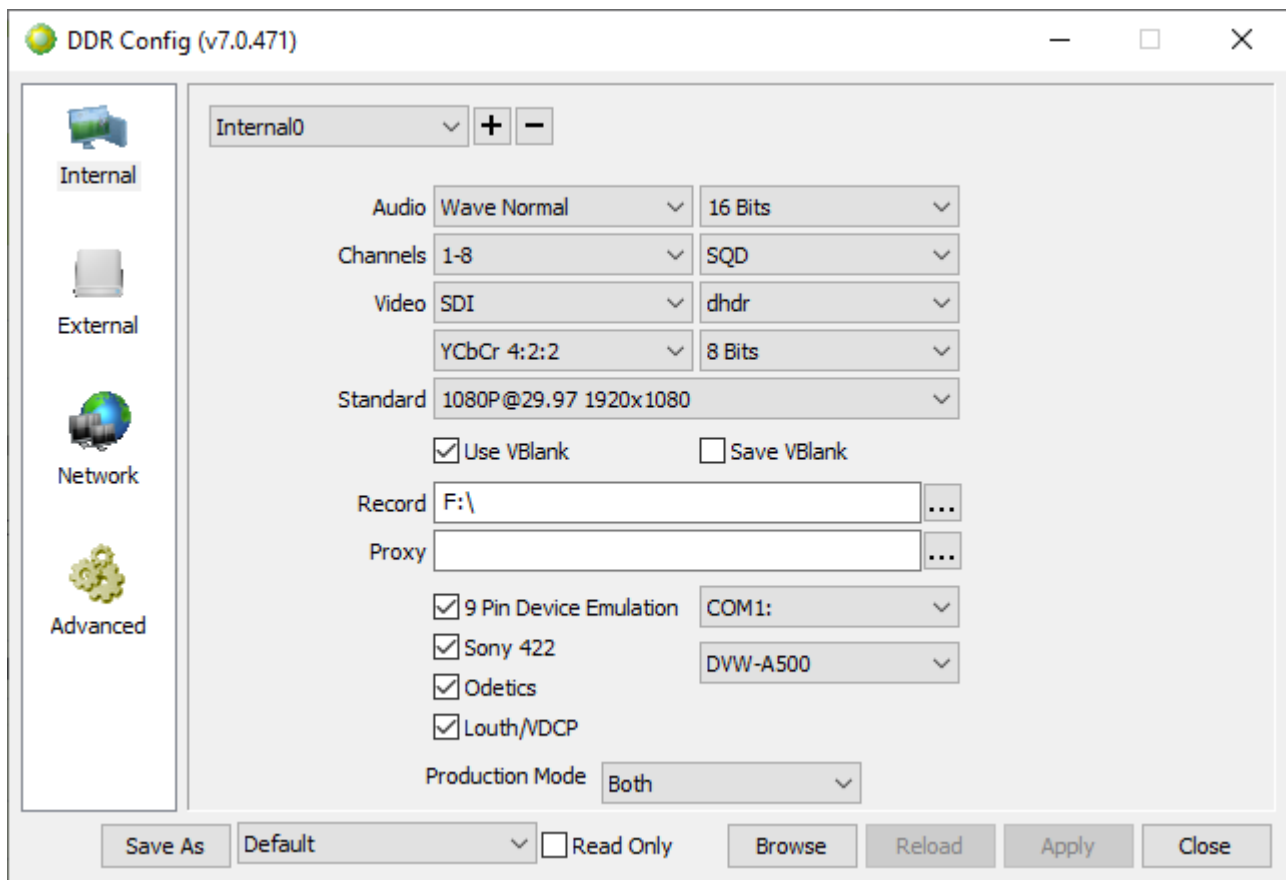
Internal Tab

Select the Internal tab to review or adjust the settings for any internal channels.



Here are the controls available on the Internal tab.

At the top there are standard minimize and close controls. The DDR Config window cannot be maximized.



Channel pulldown menu – select between available internal channels. The current channel is displayed.

Add button - Where both the license and the hardware support it, press the **Add (+)** button to add an internal channel to the system. The first channel will be **Internal0**, the next will be **Internal1** and so on.

Delete button - Where a channel needs to be removed, use the **Channel** pulldown menu to select it, and then press the **Delete (-)** button.



Audio Type pulldown menu - Use the **Audio Type** pulldown menu to select between available settings for what type of audio file or files will be created during capture. The user will see a list something like this:

- Wave Normal
- Wave Stereo External
- Wave Mono External
- Wave Multi Channel
- Aiff Normal
- Aiff Stereo External

Audio Bit Depth pulldown menu - Use the **Audio Bit Depth** pulldown menu to select between available bit depth settings for the selected audio type. The user will see a list something like this:

- 16 Bits
- 20 Bits
- 24 Bits
- 32 Bits

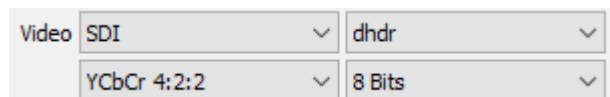


Audio Channels pulldown menu – select the number of audio channels (hardware dependent). The user will see a list something like this:

- 1-2 - two channels
- 1-4 - four channels
- 1-6 - six channels
- 1-8 - eight channels
- 1-12 - twelve channels
- 1-16 - sixteen channels

Quad Link type pulldown menu – select between available 4K quad link methods. There are two methods available:

- SQD (Square Division Quad Split)
- 2SI (2 Sample Interleave)



Video Input type pulldown menu – select between available video input types (hardware dependent)

- SDI
- SDI_In2=Alpha
- SDI DualLink
- HDMI
- HDMI RGB
- QHD/4K 3Ga (4 wire)
- QHD/4K 3Gb RGB (4 wire)
- QHD/4K (2 wire)
- 12G/6G QHD/4K (1 wire)
- 12G/6G QHD/4K (1 wire)

Video File Format pulldown menu – select the video file format that will be created during capture. The user will see a list of supported file types for software that supports file I/O.

- **AVI** - Audio Video Interleave
- **MOV** - QuickTime File Format

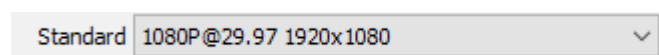
- **YUV** - The Y'UV model defines a color space in terms of one luma component (Y') and two chrominance components, called U (blue projection) and V (red projection) respectively.
- **LOOP** - Apple Soundtrack Pro file
- **DHDR** - Drastic High Dynamic Range
- **RAW** - a native digital camera file that has not been not been compressed, encrypted or processed in any manner
- **TGA** - Truevision Graphics Adapter. Targa raster graphic format designed by Truevision
- **TIFF** - Tagged Image File Format
- **CIN** - Cineon file format designed by Kodak
- **DPX** - Digital Picture Exchange - SMPTE standard (ST 268-1:2014)
- **ARI** - Image captured by an ARRI digital video camera
- **DNG** - Digital Negative Image File - designed by Adobe systems
- **JP2** - a compressed bitmap image saved in the JPEG 2000 (JP2) Core Coding format
- **MXF-AMT** - Material Exchange Format AMT
- **MXF-AS02** - Material Exchange Format AS02 Avid Media Composer file
- **MXF-AVCI** - Material Exchange Format AVC-Intra - designed by Panasonic, based on the AVC file format (Advanced Video Coding) defined in Part 15 of the MPEG-4 standard
- **MXF-P2** - Material Exchange Format P2 (short for Professional Plug-In) is a professional digital recording solid-state memory storage media format designed by Panasonic
- **MXF-OPEN** - Material Exchange Format Open
- **MXF-SONY** - Material Exchange Format - designed by Sony
- **MXF-SONYHD** - Material Exchange Format - HD format designed by Sony
- **MXF-AVID** - Material Exchange Format designed by Avid
- **MXF-DPP** - Material Exchange Format AS-11 UK DPP file format designed for delivery of content to UK Broadcasters
- **MXF-HDF** - Material Exchange Format
- **MXF** - Material Exchange Format
- **MP4** - MPEG-4 Part 14 digital multimedia container format

Video Codec pulldown menu - select between available codec (compression/decompression) schemes for the input. Choices may include:

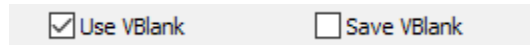
- YCbCr 4:2:2
- YCbCr 4:2:0 Planar
- Uncompressed 3D/Stereo
- RGBA 32 (Mac None Million)
- ABGR 32 (TIFF)
- BGRA 32 (Win TGA BMP)
- RGB-10 (Lin/Log)
- DVCPro 25 (SD Only)
- DVCPro 50 (SD Only)
- DVCPro 100/HD
- AVCI 100
- Avid DNxHD 220
- Avid DNxHD 145
- Avid DNxHD 36
- MPEG-2 D10 (SD Only)
- Raw Bayer
- RGB 4:4:4 12 Bit

Video Bit Depth pulldown menu - select between available bit depth options for the input. Choices may include:

- 8 Bits
- 10 Bits



Video Standard pulldown menu - select between available video standards (hardware-dependent)
Drastic software supports most common video standards from NTSC 720x480/486/512 to 8K 60 8192x4320.



A screenshot showing two checkboxes: "Use VBlank" which is checked, and "Save VBlank" which is unchecked.

Use Vblank checkbox - check the **Use VBlank** checkbox to display specific information contained in the vertical blanking interval.

Save Vblank checkbox - check the **Save VBlank** checkbox to save specific information into the vertical blanking interval during capture.



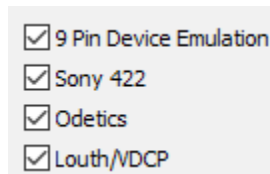
A screenshot of a text input field labeled "Record" containing the text "F:\". To the right of the field is a small button with three dots.

Record Directory display and button - displays the currently selected save to directory for media files. The button on the right opens a browser so the user can locate and select their preferred directory.



A screenshot of a text input field labeled "Proxy" which is currently empty. To the right of the field is a small button with three dots.

Proxy Directory display and button - displays the currently selected save to directory for proxy files. The button on the right opens a browser so the user can locate and select their preferred directory.




A screenshot showing four checked checkboxes: "9 Pin Device Emulation", "Sony 422", "Odetics", and "Louth/VDCP".

9 Pin Device Emulation checkbox - check the **9 Pin Device Emulation** checkbox to set the system to operate under RS-422 serial control, emulating a broadcast or production VTR.

Sony 422 checkbox - check the **Sony 422** checkbox to specify Sony 422 protocol.

Odetics checkbox - check the **Odetics** checkbox to specify Odetics protocol.

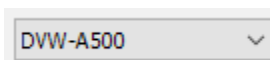
Louth/VDCP checkbox - check the **Louth/VDCP** checkbox to specify Louth/VDCP protocol.



A screenshot of a pulldown menu showing "COM1:" with a downward arrow.

COM Ports pulldown menu - select between available COM ports for serial control. The user may see a list similar to this:

- NONE
- COM1
- COM2
- COM3
- COM4
- COM5
- COM6



A screenshot of a pulldown menu showing "DVW-A500" with a downward arrow.

VTR Type pulldown menu - select between available VTR types. Choices may include:

- ASC P1 PAL
- DNW-A25
- DNW-A75
- Sony J-3
- Sony J-3
- Profile

- Omega
- MAV-1000
- MAV-1200
- QuVIS ST
- QuVIS EL/DS
- DPS-PVR
- ProTools 24/T
- Avid
- Disk Recorder
- Abekas A62/66
- Abekas A62/66
- Abekas A64
- Abekas A60
- Abekas A53D/57
- Abekas A60
- Drastic VVW
- Abekas A84
- Abekas A82
- Pogle/Sierra Parallel
- Pogle/Sierra Serial
- RTD-4224
- DCT-1700D
- QuickFrame/Discovery
- Pandora VVW
- BR-822/622/525 Type
- MSW-M2000
- MSW-A2000

Production Mode

Production Mode pulldown menu - select between available production modes. Choices here may include:

- Playback Only – In playback, the software will stop upon encountering a dropped frame, but not during capture.
- Record Only – In capture mode, the software will stop upon encountering a dropped frame, but will ignore them during playback.
- Both – In both capture and playback modes, the software will stop upon encountering a dropped frame.
- Disabled – this setting places the software in Broadcast Mode, where the software will ignore dropped frames where possible to maintain continuous playback.

Save As Read Only

Save As button – opens a browser which allows the user to save the current configuration

Load Config pulldown menu – displays the current configuration file (or Default if none have been saved), and allows the user to load existing configuration screens in XML format.

Read Only checkbox – select to specify the configuration is read-only, and cannot be altered unintentionally. When not selected, the configuration can be changed.

Browse button – opens a browser which allows the user to locate and load an existing configuration file

Reload button – Reset the settings to the existing configuration file, in case settings have been changed incorrectly.

Apply button – press to apply any changes that have been made to the existing configuration.

Close button – press to close DDR Config.

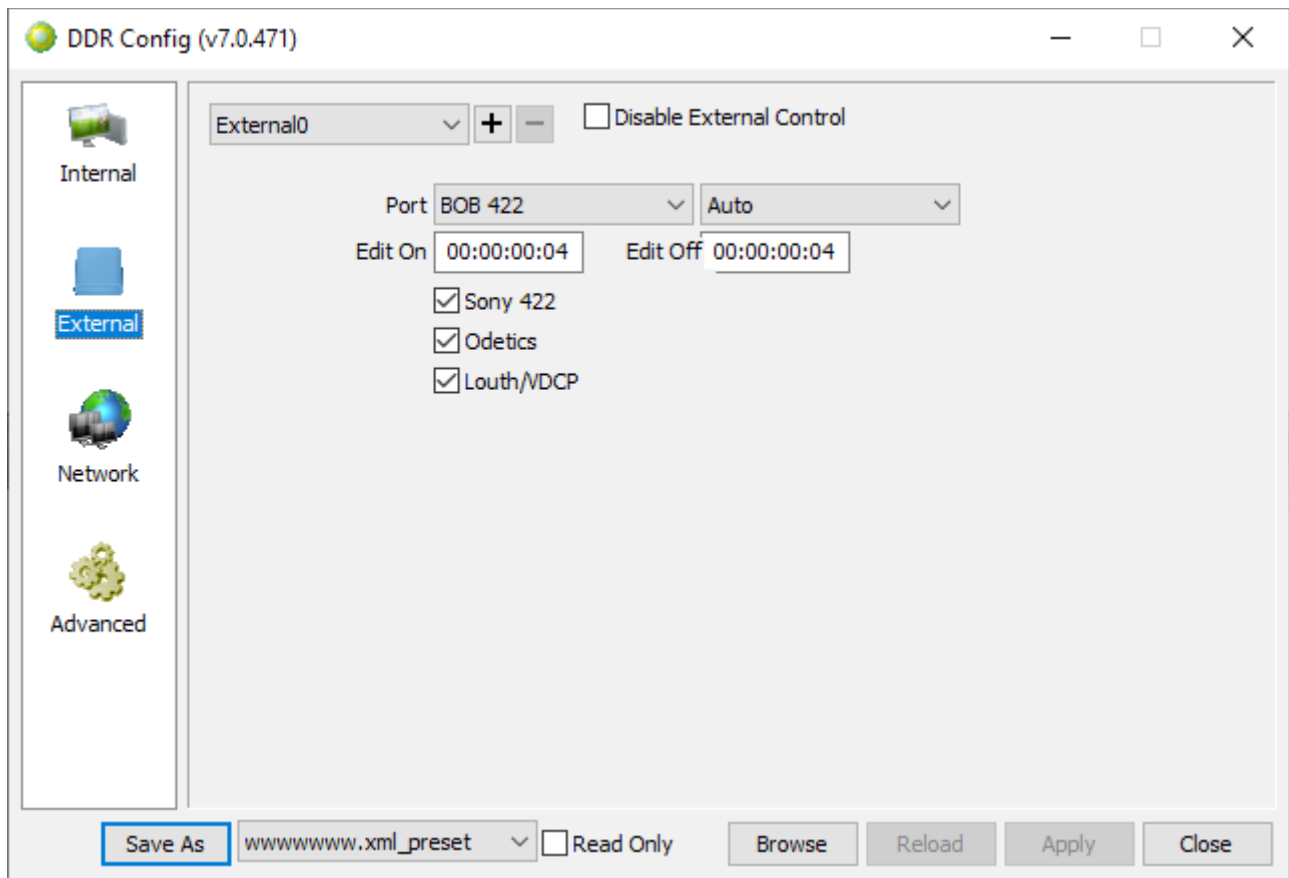
External Tab

Select the External tab to review or adjust the settings for any external channels.



Here are the controls available on the External tab.

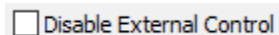
At the top there are standard minimize and close controls. The DDR Config window cannot be maximized.



External Channel pulldown menu – displays the selected external channel, and allows the user to select between available

Add External Channel button – where both the license and the hardware support it, press the Add (+) button to add an external channel to the system. The first channel will be External0, the next will be External1 and so on.

Delete External Channel button – where a channel needs to be removed, use the Channel pulldown menu to select it, and then press the Delete (-) button.



Disable External Channel checkbox – check to disable external control features.



Port pulldown menu – select between available COM ports for the selected external channel. The user will see a list similar to this:

- BOB 422
- COM1
- COM2
- COM3
- COM4
- COM5
- COM6

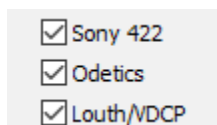
Video Standard pulldown menu – select between available video standards for external control features. The user will be presented with a list similar to this:

- Auto
- 23.98
- 24
- 25
- NDF
- DF
- 50
- 59.94
- 60



Edit On field - Displays the current Edit On setting, or how many frames the DDR will wait to perform an edit after the command has been received. To edit this value, type in a new number of frames. This setting is designed to promote greater interoperability between the software and industry standard serial control devices and protocols - an inaccurate setting may affect the frame accuracy of edits performed under command.

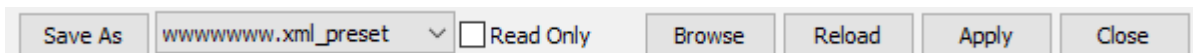
Edit Off field - Displays the current Edit Off setting, or how many frames the DDR will wait to end an edit after the command has been received. To edit this value, type in a new number of frames. An inaccurate setting may negatively affect the frame accuracy of edits performed under command.



Sony 422 checkbox - check the **Sony 422** checkbox to specify Sony 422 protocol.

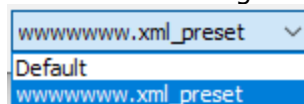
Odetics checkbox - check the **Odetics** checkbox to specify Odetics protocol.

Louth/VDCP checkbox - check the **Louth/VDCP** checkbox to specify Louth/VDCP protocol.



Save As button – opens a browser which allows the user to save the current configuration

Load Config pulldown menu – displays the current configuration file (or Default if none have been saved), and allows the user to load existing configuration screens in XML format.



Read Only checkbox – select to specify the configuration is read-only, and cannot be altered

unintentionally. When not selected, the configuration can be changed.

Browse button – opens a browser which allows the user to locate and load an existing configuration file

Reload button – Reset the settings to the existing configuration file, in case settings have been changed incorrectly.

Apply button – press to apply any changes that have been made to the existing configuration.

Close button – press to close DDR Config.

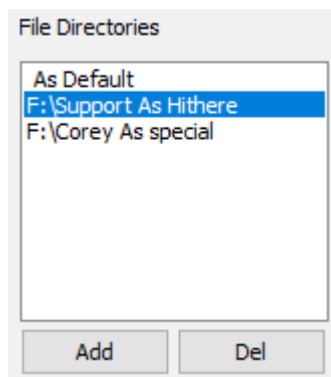
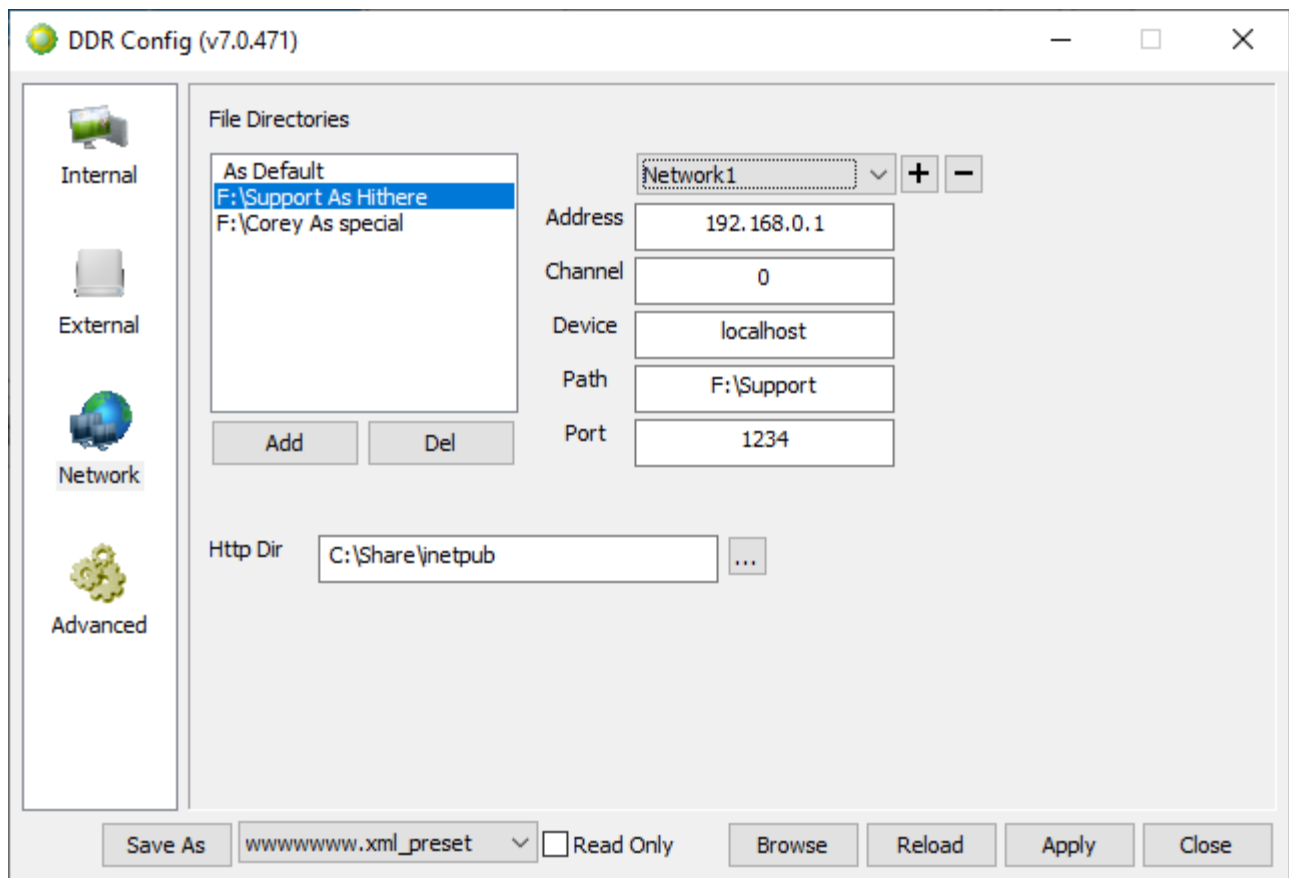
Network Tab

Select the Network tab to review or adjust the settings for any network channels.



Here are the controls available on the Network tab.

At the top there are standard minimize and close controls. The DDR Config window cannot be maximized.



File Directories field – displays each mapped directory and the alias it has been given.

Add button - The Add button allows the user to browse for and select a record drive to share out to remote users for Network Control applications. Where a drive has been selected the user will be able to create an "alias" (the name remote users will see for the drive) and to set a password if necessary to provide access to users with credentials.

Delete button - Sometimes a networked location needs to be removed from this list. Select it and press the Del button. The drive or folder will not be deleted. Deleting the drive only means remote users will not be able to see the drive for add files operations.



Network Channel pulldown menu - displays any network channels that have been added, and allows the user to select between them.

Add Network Channel button - allows the user to enter the necessary information (address, channel, device, path, port) to set up a network channel.

Delete Network Channel button - deletes the currently selected network channel.

Address	192.168.0.1
Channel	0
Device	localhost
Path	F:\Support
Port	1234

Address field - to set up a network channel, enter the IP address of the networked device into this field.

Channel field - to set up a network channel, enter the channel number of the networked device into this field.

Device field - to set up a network channel, enter a device name for the networked device into this field.

Path field - to set up a network channel, enter the path of the networked device into this field.

Port field - to set up a network channel, enter the Port number of the networked device into this field.

Http Dir	C:\Share\inetpub	...
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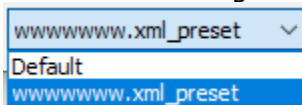
HTTP Directory field - displays the field and path information for the HTTP Directory.

Browse button - opens a standard browser so the user can set another location for the HTTP directory.

Save As	www.xml_preset	<input type="checkbox"/> Read Only	Browse	Reload	Apply	Close
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Save As button - opens a browser which allows the user to save the current configuration

Load Config pulldown menu - displays the current configuration file (or Default if none have been saved), and allows the user to load existing configuration screens in XML format.



Read Only checkbox - select to specify the configuration is read-only, and cannot be altered unintentionally. When not selected, the configuration can be changed.

Browse button - opens a browser which allows the user to locate and load an existing configuration file

Reload button – Reset the settings to the existing configuration file, in case settings have been changed incorrectly.

Apply button – press to apply any changes that have been made to the existing configuration.

Close button – press to close DDR Config.

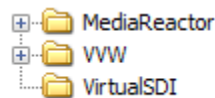
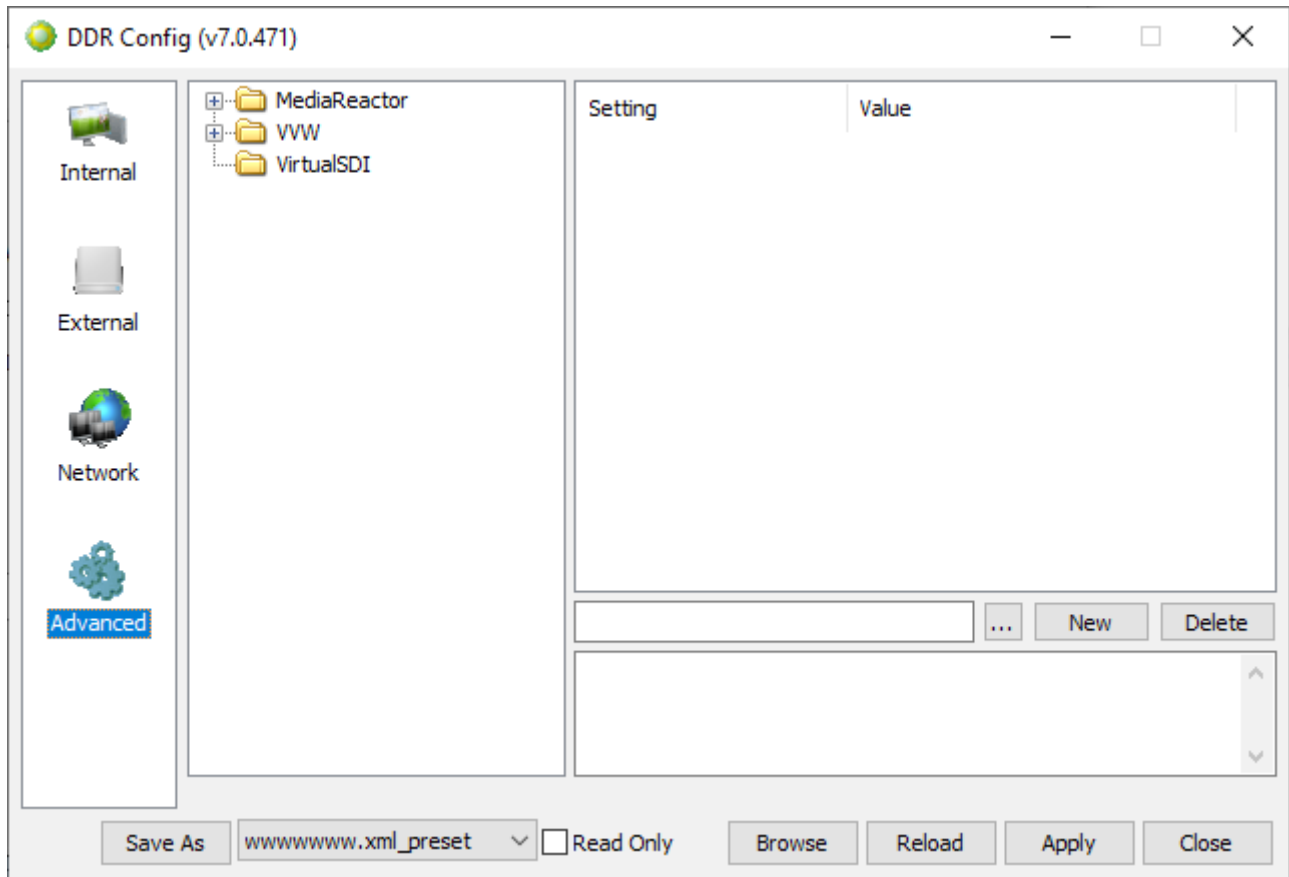
Advanced Tab

Select the Advanced tab to review or adjust a wide range of advanced settings.

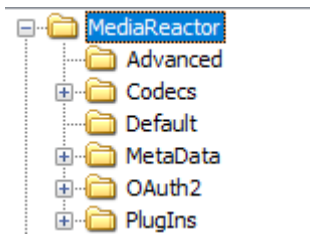


Here are the controls available on the Advanced tab.

At the top there are standard minimize and close controls. The DDR Config window cannot be maximized.

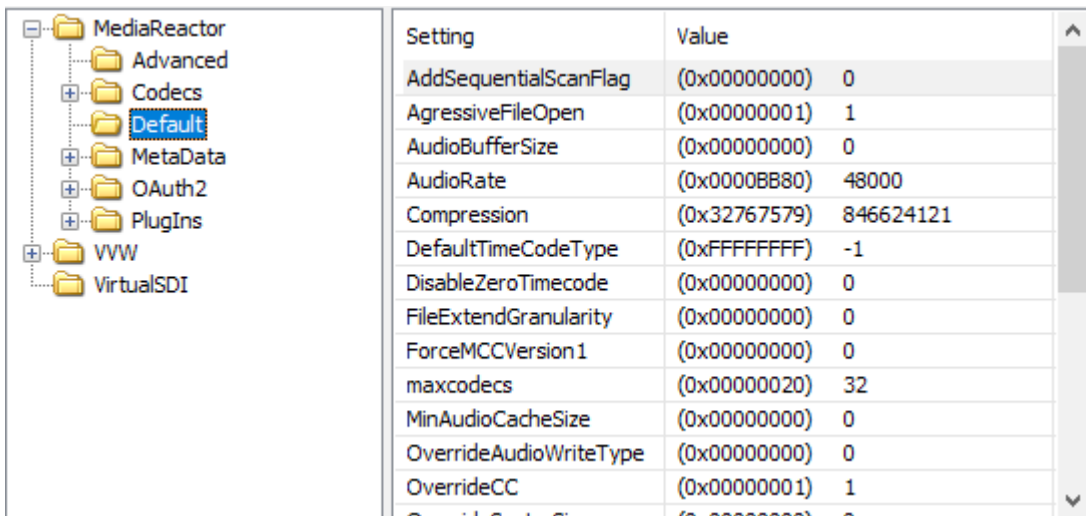


Explore menu – clicking the plus buttons reveals each folder’s subdirectories. Clicking the plus button next to the MediaReactor folder opens the following areas, each of which have a host of subdirectories.

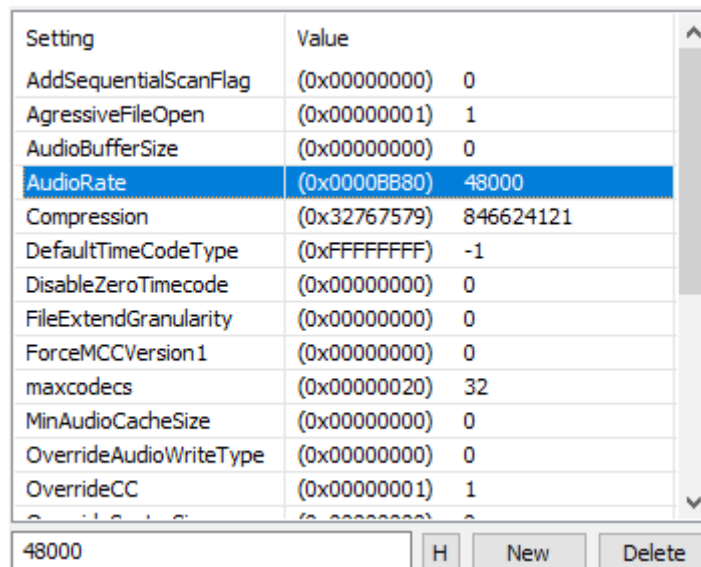


The MediaReactor folder shows a number of subdirectories. Once one is selected, any editable parameters contained in that folder will be displayed. Here the Default folder has been selected. Each of these displays its current setting. Many of the values and settings can be edited, but they are hidden deep within DDR Config because it is possible to render a system unusable with incorrect settings.

For the most part, Drastic recommends the user only touch these settings when specifically instructed to do so by Drastic.



Clicking on a particular setting loads its values and allows the user to edit them. Here, the Audio Rate has been selected, and is now loaded for editing.



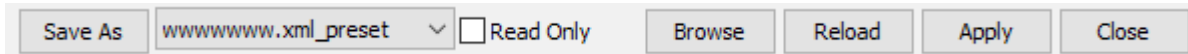
The value is displayed in the first field below the settings area. In the above example it is displayed in decimal. Clicking the H/D button switches between decimal and hexadecimal

display for these values. Here is the audio rate setting in hexadecimal:

0x0000BB80 

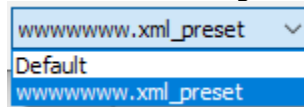
New Value button – Pressing the New Value button opens up the New Value dialog box, allowing the user to create a new value. The user will need to specify whether the value is a string, numeric or sub-key value, enter a name and a setting.

Delete Value button – To remove a value, select it and press the Delete button. A confirm dialog will pop up to make sure you really do mean to delete the value.



Save As button – opens a browser which allows the user to save the current configuration

Load Config pulldown menu – displays the current configuration file (or Default if none have been saved), and allows the user to load existing configuration screens in XML format.



Read Only checkbox – select to specify the configuration is read-only, and cannot be altered unintentionally. When not selected, the configuration can be changed.

Browse button – opens a browser which allows the user to locate and load an existing configuration file

Reload button – Reset the settings to the existing configuration file, in case settings have been changed incorrectly.

Apply button – press to apply any changes that have been made to the existing configuration.

Close button – press to close DDR Config.