AV-WALL-DT4oB Advanced Settings

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Table of contents

1. Legacy

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2 Advanced Settings Operating Mode

Advanced Settings allow to access to some hidden parameter of the device. This can be used to modify source locking, screen interface (i.e. font size), audio mode (i.e. Mono/Stereo Channels). All the parameter mentioned here are hidden in standard operating mode.

To turn your device in advanced settings operating mode please contact: support@auvitran.com

2.1 Configuration mode

In addition to the standard option, these option are also available in Advanced Settings Mode
- Output sources selection mapping modes
- Gain / Sources locking

Note:
- Each parameter access can be disactivated.
- If no access to any of those parameters is given, the configuration menu is bypassed, and device remains in control mode.

2.2 Sources mapping modes

Source mapping modes: 4 modes are available currently:

- Mono: Outputs sources and gains are mapped independently
- Stereo: Outputs sources are mapped by group of 2 channels.
    o Out1: Audio Left, Out2 Audio Right.
    o Gain of Out1 and Out2 are set equals when changed on AV Wall DT4O device.
- Grouped: Set all the outputs to the same source.
    o Gain of Out1 and Out2 and Out3 L/R are set to equals when changed on the AV Wall D4TO device.
- Grouped Stereo: All outputs sources are mapped to 2 channels.
    o Out1: Audio Left, Out2 Audio Right.
    o Out3 L/R
    o Gain of all channels are set to equals

Screens		
OLED 7	OLED 7	OLED 7
LED 3	LED 3	LED 3
Mono	Stereo	Group

2.2.1.1 Stereo mode

Screen	LED Actives	Stream changed	Action on the button	Action
`Out 1+2:` `Outdoor-` `Stage3` `G:   -3db`	Led SRC On Led 1+2 blinking	Out1 (XLR)	Turn left	Go to the next Dante device
			Turn right	Go to the previous Dante device
			Push	Go to "Out2" gain control
`Out Blu:` `Outdoor-` `Stage4` `G:    0db`	Led SRC On Led 3 blinking	Out2 (XLR)	Turn left	Go to the next Dante device
			Turn right	Go to the previous Dante device
			Push	Go to "Bluetooth" gain control

2.2.1.2 Grouped mode

Screen	LED Actives	Stream changed	Action on the button	Action
`Group:` `Concert` `Hall` `G:   +5db`	Led SRC On Led 1+2+3 blinking	Out1, Out2, Out3 (L/R) Mini jack or Bluetooth	Turn left	Go to the next Dante device
			Turn right	Go to the previous Dante device
			Push	Go to Bluetooth Control

2.2.2 Gain lock

Once the gain lock is set the user cannot change the output gain on the device, however it is still possible to do it on AVS Monitor.

- Turn right to unlock the gain control
- Turn left to lock the gain control

Screen	Action on the button	Action
Gain Off	Turn left	Lock the gain control
Gain On	Turn right	Unlock the gain control

2.2.3 Source lock

Once the source lock is set, for every output, the user cannot change the sources.

- Turn right to unlock the source control
- Turn left to lock the source control

Screen	Action on the button	Action
Src Off	Turn left	Lock the source control
Src On	Turn right	Unlock the source control

2.3 Other operating modes and options

An operating mode automatically set a group of parameters and redefine the general behavior of the AV-WALL i.e. display modes, audio mapping modes, gain control and LEDs controls behaviors.

AV-WALL display modes option change the look of the control modes:

gain and source control on the same screen or not.

For instance, you can see how looks an interface configured in source and gain on separate screen, with a custom channels mapping behavior:

- Gain control:

Screen	LED Actives	Stream changed	Action on the button	Action
Gain: -9db	Gain On + 1 blinking	Out 3-4 (mini jack)	Turn left	Decrease the headphone output gain
			Turn right	Increase the headphone output gain
			Push	Go to source control

- Source control:

Screen	LED Actives	Stream changed	Action on the button	Action
MIC1	Source On + 1 blinking	All outputs (XLR + mini jack)	Turn left	Go to the next Dante device
			Turn right	Go to the previous Dante device
			Push	Go to headphone gain control

- In this mode labels size are automatically set as show below:

Labels appearance		
Short labels	Medium labels	Long labels
MIC1	Record Studio	FRANCE TV 2 Studio
Up to 4 characters	Up to 14 characters	Up to 32 characters

3 Load labels & Dante patches on AV-WALLs devices

The labels of yours AV-WALLs must be loaded via a command line program: AV-WALL_label_loader.exe.

The program is available on the following link:

https://auvitran.com/downloads/software/AVW-Label-Loader.zip

3.1 Launch labels transfers & files syntax

To load labels the user must input as arguments the files which contains the labels:

- AV-WALL_label_loader.exe file_a.ini file_b.ini …

To obtain help user can type -h/h/help command:

- AV-WALL_label_loader.exe -h

File syntax example:

```
[NEW-DEVICE1, NEW-DEVICE2];specify the devices which are going to be written
a label =  a dante channel name@a-dante-device-name;a label preset to write. in NEW-DEVICE1 /  NEW-DEVICE2



;writing labels in AVW-DT4O-064,AVW-DT4O-072,AVW-DT4O-003
[AVW-DT4O-064,AVW-DT4O-072,AVW-DT4O-003]
Court Chatrier = 01@AVBx7-Chatrier
Court 2Chatrier = 02@AVBx7-Chatrier
Court 3Chatrier = 03@AVBx7-Chatrier
Court 4Chatrier = 04@AVBx7-Chatrier
Suzanne Lenglen = Right1@AVBx3-Suzanne
Suzanne Lenglen2 =Left1@AVBx3-Suzanne
Suzanne Lenglen3 = Right2@AVBx3-Suzanne
Suzanne Lenglen4 = Left2@AVBx3-Suzanne
Court Nø1 = ch1@AVBx7-Radio
Court Nø1 ch2 = ch2@AVBx7-Radio
Court Nø1 ch3 = ch3@AVBx7-Radio
Court Nø1 ch4 = ch4@AVBx7-Radio
Radio France = RadioFrance-ch1@AVBx7-Radio
Radio France2 = RadioFrance-ch2@AVBx7-Radio
Radio France3 = RadioFrance-ch3@AVBx7-Radio
Radio France4 = RadioFrance-ch4@AVBx7-Radio
France Musique = FranceMusiqueQ1@AVBx7-Radio
France Musique2 = FranceMusiqueQ2@AVBx7-Radio
France Musique3= FranceMusiqueQ3@AVBx7-Radio
France Musique4=  FranceMusiqueQ4@AVBx7-Radio

;writing labels in AVW-DT4O-004,AVW-DT4O-012,AVW-DT4O-038
[AVW-DT4O-004,AVW-DT4O-012,AVW-DT4O-038]

01 SI    P-CHAT  = OUT1@CL1-1
02 SI    S-LENG  = OUT2@CL1-1
03 SI    S-MATH  = OUT3@CL1-1
04 SI    COURT 14 = OUT4@CL1-1
05 ITW-1ENGLISH  = OUT5@CL1-1
06 ITW-1FRANCAIS = OUT6@CL1-1
07 ITW-1ESPANOL = OUT7@CL1-1
08 ITW-2ENGLISH = OUT8@CL1-1
09 ITW-2FRANCAIS = OUT9@CL1-1
10 ITW-2ESPANOL = OUT10@CL1-1
```

ASCII characters are accepted for labels and channels, excepted '=' characters and '@" and escapes characters sequence. Accentuation and other diacritic signs are accepted in labels and channels name but aren't in device name.

Only letters, numbers and dash/minus sign are valid char for a Dante device name, space is not a valid character.

For instance:

- This label can be written:
    - Live TV1=RadioFrance-ch1@AVBx7-Radio
    - this label can't be written:
    - Live TV1=RadioFrance-ch1@AVBx7 Radio
    - because it contains a space character in the device name

Writing labels example:

```
C:\EMBEDDED\AVW-DT4O\label-loader-tool>avwall_label_loader.exe label_example_big.ini
Launch avwall_label_loader.exe
Opening file: label_example_big.ini
Welcome to AuviTran AVS-Service v6.03.00.6465 API:v6.01.00.6443 (2/16) EtherSound / Dante / Upi Version

AVS-Service Connected.
Ready to update label in those devices:
        device 1: AVW-DT4O-054 (00.1D.C1.91.3D.DA)
        device 2: AVW-DT40-SLE-02 (00.1D.C1.91.3D.D3)
Please confirm you want to update the labels: yes(y), no(n): y

Write labels:

Erase AVW-DT4O-054's old labels... OK
Running transfer of AVW-DT4O-054's new labels... OK
AVW-DT4O-054's labels written successfully
Erase AVW-DT40-SLE-02's old labels... OK
Running transfer of AVW-DT40-SLE-02's new labels... OK
AVW-DT40-SLE-02's labels written successfully
Done
```

3.2 Typical Troubleshooting

Typical troubleshooting includes:

- Incorrect file syntax & excess of characters in labels, channels name, device names (32 for each of them)
- Unfound devices
- Unauthorized devices
- Excess of authorized labels (64 for each devices)

    If you experience other issues with this software, please report this at:
        support@auvitran.com

3.2.1 Incorrect syntax

```
Launch avwall_label_loader.exe
Opening file: long_label.ini
Warning In: long_label.ini at line 2
this is a very long label, one should avoid long labels........ is larger than 32 characters,  the excess will be ignored
Welcome to AuviTran AVS-Service v6.03.00.6465 API:v6.01.00.6443 (2/16) EtherSound / Dante / Upi Version

AVS-Service Connected.
Ready to update label in those devices:
        device 1: AVW-DT4O-054 (00.1D.C1.91.3D.DA)
Please confirm you want to update the labels: yes(y), no(n): y

Write labels:

Erase AVW-DT4O-054's old labels... OK
Running transfer of AVW-DT4O-054's new labels... OK
AVW-DT4O-054's labels written successfully
Done
```

Labels, channels and Dante devices names can't be longer than 32 characters, the excess of characters are ignored.

```
C:\EMBEDDED\AVW-DT4O\label-loader-tool>avwall_label_loader.exe label_example_videlio_example.ini
Launch avwall_label_loader.exe
Opening file: label_example_videlio_example.ini
Welcome to AuviTran AVS-Service v6.03.00.6465 API:v6.01.00.6443 (2/16) EtherSound / Dante / Upi Version

AVS-Service Connected.
Warning: those devices were not found on the network:
        device 1: NEW-DEVICE2
        device 2: NEW-DEVICE1
        device 3: AVW-DT4O-003
        device 4: AVW-DT4O-064
        device 5: AVW-DT4O-072
        device 6: AVW-DT4O-038
        device 7: AVW-DT4O-004
        device 8: AVW-DT4O-012

No matching AVWALL-DT4O devices.
Done

C:\EMBEDDED\AVW-DT4O\label-loader-tool>
```

3.2.2 Unfound devices

This might happen if your PC is not on the same local network as your equipment, names does not match any connected devices.

```
AVS-Service Connected.
Warning: those devices were not found on the network:
        device 1: AVW-DT4oB-SLE

Ready to update label in those devices:
        device 1: AVW-DT4O-054 (00.1D.C1.91.3D.DA)
Please confirm you want to update the labels: yes(y), no(n): y

Write labels:

Erase AVW-DT4O-054's old labels...Cmd failed (No respons)!
 FAILED
AVW-DT4O-054's labels writting process failed, check device connection.
Done

C:\EMBEDDED\AVW-DT4O\label-loader-tool>
```

This might happen if your equipment during labels update process.

3.2.3 Unauthorized devices


```
C:\EMBEDDED\AVW-DT4O\label-loader-tool>avwall_label_loader.exe example_forbide_device.ini
Launch avwall_label_loader.exe
Opening file: example_forbide_device.ini
Welcome to AuviTran AVS-Service v6.03.00.6465 API:v6.01.00.6443 (2/16) EtherSound / Dante / Upi Version

AVS-Service Connected.
Warning: those devices were found but are not AWWALL-DT4O compatible devices:
        device 1: AVDT-BOB-542 (00.1D.C1.90.05.DA)
No matching AVWALL-DT4O devices.
Done

C:\EMBEDDED\AVW-DT4O\label-loader-tool>
```

This case happens when user attempting to write on a device which is not recognized as a AV-WALL-DT4O device.

3.2.4 Excess of authorized labels

```
AVS-Service Connected.
Ready to update label in those devices:
        device 1: AVW-DT4O-054 (00.1D.C1.91.3D.DA)
Please confirm you want to update the labels: yes(y), no(n): y

Write labels:

Erase AVW-DT4O-054's old labels... OK
Running transfer of AVW-DT4O-054's new labels...AVW-DT4O-054's labels number is greater than 64 Labels 1 to 64 will be written, further labels will be ignored
 OK
AVW-DT4O-054's labels written successfully
Done
```

This case happens when labels numbers is greater than 64. Further labels are ignored.

.