



AUDIO CONTROL

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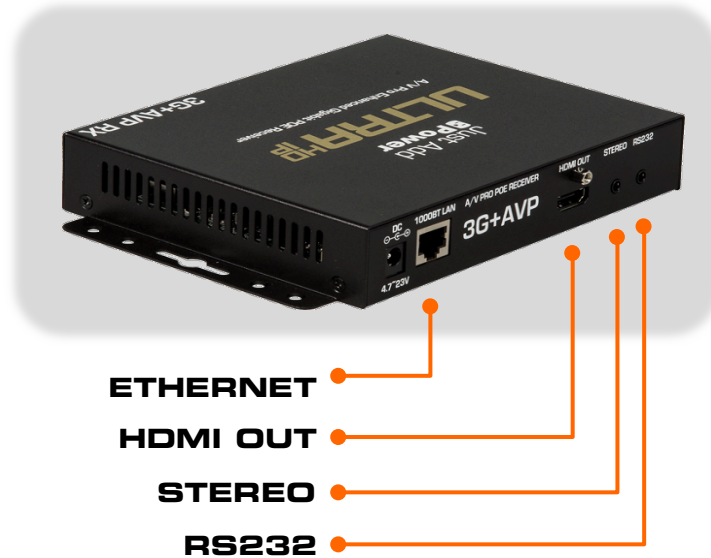
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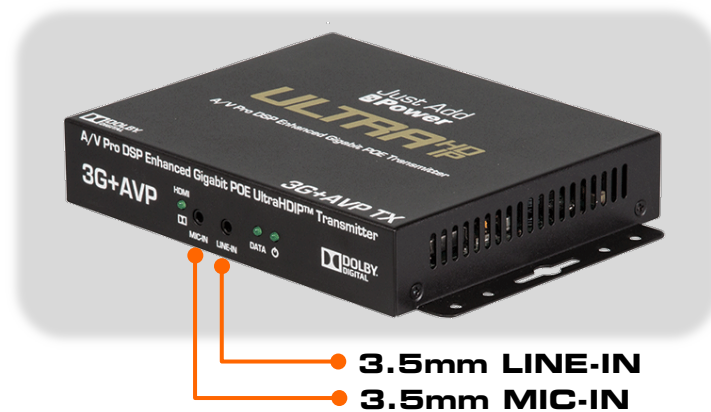
Introduction

Just Add Power 2G+, 2G+AVP, and 3G+AVP Transmitters and Receivers have Stereo Out ports that break off 2-channel audio from the HDMI signal.

- 2G+, 2G+AVP, and 3G+AVP can adjust [Audio Delay](#) on the Stereo Out
- 2G+AVP and 3G+AVP can adjust [Volume Level](#) on the Stereo Out



Mic-In and Line-In ports on a 2G+AVP or 3G+AVP Transmitter allow audio to be injected into the HDMI signal and distributed to any Just Add Power Receiver watching that Transmitter. The Mic-In, Line-In, and HDMI audio signals can each be independently [enabled and disabled](#).



Stereo Out

All of the commands below control different functions on the Stereo Out port of a 2G+, 2G+AVP, or 3G+AVP device. All commands are **CASE SENSITIVE** and must be typed in the case shown.

Audio Delay

Works on all 2G+, 2G+AVP, and 3G+AVP models

Value	Delay (ms)	Value	Delay (ms)	Value	Delay (ms)
1	6	10	67	19	129
2	13	11	74	20	135
3	20	12	82	21	142
4	27	13	88	22	149
5	33	14	95	23	156
6	40	15	101	24	163
7	47	16	108	25	170
8	54	17	115		
9	61	18	122		

AUD_DLY_SLOW \$a

- Increases the audio delay value by \$a. Increases by 1 if \$a not specified. Use AUD_DLY_SAVE_VAL to save new value.
- \$a is a whole-number variable from 0 to 25
- Example:
 - AUD_DLY_SLOW 5

AUD_DLY_FAST \$a

- Decreases the audio delay value by \$a. Decreases by 1 if \$a not specified. Use AUD_DLY_SAVE_VAL to save new value.
- \$a is a whole-number variable from 0 to 25
- Example:
 - AUD_DLY_FAST 5

AUD_DLY_SET_VALUE \$a

- Sets the audio delay value to \$a. Use AUD_DLY_SAVE_VAL to save new value.
- \$a is a whole-number variable from 0 to 25
- Example:
 - AUD_DLY_SET_VALUE 15

AUD_DLY_SAVE_VAL

- Saves current audio delay value to flash memory.

AUD_DLY_RESTORE_VAL

- Restores audio delay value last saved to flash memory.

AUD_DLY_READ_CURRENT

- Displays current audio delay value in flash memory.

Volume Level

Works on **ONLY** 2G+AVP and 3G+AVP models. Does **NOT** work on 2G+ models

Value	Volume (dB)	Value	Volume (dB)	Value	Volume (dB)	Value	Volume (dB)
1	-39	9	-27	17	-15	25	-3
2	-37.5	10	-25.5	18	-13.5	26	-1.5
3	-36	11	-24	19	-12	27	0
4	-34.5	12	-22.5	20	-10.5	28	+1.5
5	-33	13	-21	21	-9	29	+3
6	-31.5	14	-19.5	22	-7.5	30	+4.5
7	-30	15	-18	23	-6	31	+6
8	-28.5	16	-16.5	24	-4.5		

vol_bth_up.sh

- Increases the left- and right-channel audio on the Stereo port by 1 unit
- No variable, simply increases the volume level by 1
- Valid audio levels are 1-31

vol_bth_dn.sh

- Decreases the left- and right-channel audio on the Stereo port by 1 unit
- No variable, simply decreases the volume level by 1
- Valid audio levels are 1-31

vol_l_up.sh

- Increases the left-channel audio on the Stereo port by 1 unit
- No variable, simply increases the left-channel audio volume level by 1
- Valid audio levels are 1-31

vol_l_dn.sh

- Decreases the left-channel audio on the Stereo port by 1 unit
- No variable, simply decreases the left-channel audio volume level by 1
- Valid audio levels are 1-31

vol_r_up.sh

- Increases the right-channel audio on the Stereo port by 1 unit
- No variable, simply increases the right-channel audio volume level by 1
- Valid audio levels are 1-31

vol_r_dn.sh

- Decreases the right-channel audio on the Stereo port by 1 unit
- No variable, simply decreases the right-channel audio volume level by 1
- Valid audio levels are 1-31

vol_bth_set.sh &a

- Sets the left- and right-channel audio on the Stereo port to an exact value (\$a)
- Valid audio levels are 1 (lowest) to 31 (highest). Setting an invalid value could lock the unit.
- Example:
 - `vol_bth_set.sh 16`

vol_r_set.sh \$a

- Sets the right-channel audio on the Stereo port to an exact value (\$a)
- Valid audio levels are 1 (lowest) to 31 (highest). Setting an invalid value could lock the unit.
- Example:
 - `vol_r_set.sh 16`

vol_l_set.sh \$a

- Sets the left-channel audio on the Stereo port to an exact value (\$a)
- Valid audio levels are 1 (lowest) to 31 (highest). Setting an invalid value could lock the unit.
- Example:
 - `vol_l_set.sh 16`

vol_mute.sh

- Mutes the Stereo port
- Unmuting will return to previous volume level

vol_unmute.sh

- Unmutes the Stereo port
- Returns the volume to the previous setting

volume_read.sh

- Returns the audio-level adjustment on the Stereo port for both left- and right-channel
- Format:
 - Example 1:
 - `Left: +4.5 db Right: +4.5 db`
 - Example 2:
 - `Left: -39 db Right: -39 db`
- Returns “No version query” if not a 2G+AVP or 3G+AVP Receiver or Transmitter
 - Can be used to logically identify if a unit is an AVP or not

Audio In – Mic, Line, HDMI

All of the commands below control the Mic-In and Line-In ports and the HDMI-In audio signal on 2G+AVP and 3G+AVP Transmitters. All commands are **CASE SENSITIVE** and must be typed in the case shown.

HDMI Audio Enable/Disable

dd_main_on.sh

- Enables the HDMI-In audio signal
- Works on Transmitter only
- Default state

dd_main_mute.sh

- Mutes the HDMI-In audio signal
- Works on Transmitter only

Line In Enable/Disable

dd_line_on.sh

- Enables the Line In port audio
- Works on Transmitter only

dd_line_mute.sh

- Mutes the Line In port audio
- Works on Transmitter only
- Default state

Microphone In Enable/Disable

dd_mic_on.sh

- Enables the Mic-In port audio
- Works on Transmitter only

dd_mic_mute.sh

- Mutes the microphone port audio
- Works on Transmitter only
- Default state