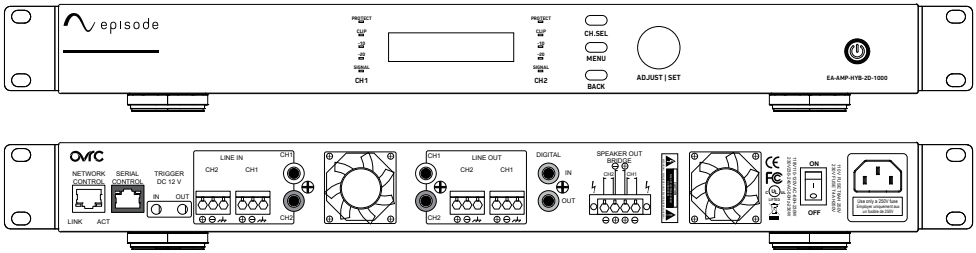
episode

QUICK START GUIDE

EA-AMP-HYB-2D-1000
EA-AMP-HYB-2D-2000



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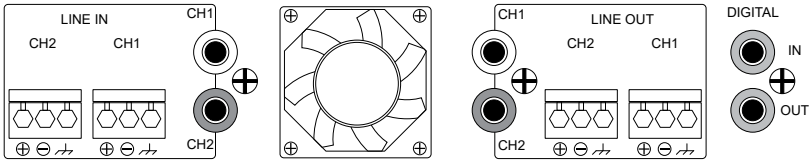
INTRODUCTION

Thank you for purchasing an Episode® amplifier. To get started, follow these instructions. For detailed specifications and configuration recommendations, see the product manual posted on our website.

This two-channel amplifier (70V or 8 ohm selectable on each) is designed for applications requiring two-channel stereo audio or two mono zones of audio with different sources or levels. Channels can also be bridged to increase output power and send a singular mono signal.

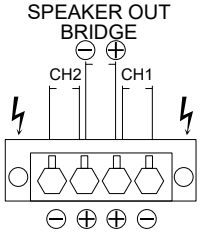
SOURCE CONNECTIONS

Balanced and unbalanced connections are available as shown below. Line out connections may be used to send audio signals to other equipment.



SPEAKER CONNECTIONS

Use 14- or 16-gauge stranded two-conductor speaker wire. Connect the appropriate conductor to each screw terminal, observing correct polarity. Bridged markings are also shown below. Use burial-rated wire, as necessary, for outdoor applications.



CALCULATING AMPLIFIER POWER

The number of satellites or subwoofers that can be connected is determined by the amplifier's power. As the number of speakers increases, the power that is available to each decreases. Plan the system so that each speaker can receive the highest level of wattage available.

NOTE: Only satellite speakers with 70V tap settings need to be calculated. 8Ω satellite speakers and subwoofers do not require calculation.

Speaker Tap Setting (A)	CH1 Qty (B)	Ch2 Qty (C)	Ch1 Total (A x B)	Ch2 Total (A x C)
3.75W				
7.5W				
15W				
30W				
60W				
		Subtotal		
		Total Watts		

As with any 70V installation, we recommend leaving 20% of headroom, using only 80% of the rated power of the amplifier. For the EA-AMP-HYB-2D-1000 this is 400W/channel, and for the EA-AMP-HYB-2D-2000 this is 800W/channel.

SPEAKER WIRING

8Ω Wiring

Burial-rated wire is recommended for all installations. Maximum performance can be achieved using the following recommendations:

- For wire runs up to 30 meters (100 feet), 16-gauge wire or large.
- For wire runs up to 60 meters (200 feet), 14-gauge wire or larger.
- For wire runs up to 90 meters (300 feet), 12-gauge wire or larger.

NOTE: Smaller wire gauges may be used, but overall performance will be reduced depending on the wire gauge used. The chart below shows the wire length and the amount of signal loss that you can expect on a typical run.

WIRE GAUGE	8Ω SPEAKERS			4Ω SPEAKER (OR TWO 8Ω SPEAKERS IN PARALLEL)		
	11% Power Loss	21% Power Loss	37% Power Loss	11% Power Loss	21% Power Loss	37% Power Loss
12	291 ft	622 ft	1352 ft	143 ft	331 ft	680 ft
14	189 ft	403 ft	876 ft	92 ft	199 ft	437 ft
16	117 ft	225 ft	553 ft	61 ft	128 ft	278 ft
18	87 ft	194 ft	405 ft	41 ft	92 ft	201 ft

70V Wiring

Burial-rated wire is recommended for all outdoor installations.

An advantage of 70V systems is that a smaller wire gauge can be used. A 20ga cable can be used for up to 1,147 feet with only an 11% power loss. An 18ga cable can be used for up to 2,029 feet and a 16ga up to 2,783 feet.

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IP/OVRC CONTROL

Connect the amplifier to a LAN with internet access to activate an OvrC connection. Create a new account at www.OvrC.com, or log in to an existing account. Select **Add a Device** and enter the device's MAC address and serial number (this information can be found next to the service tag on the product). If OvrC locates the device, directions to continue setup will be displayed. The local UI can be accessed without OvrC by entering the IP address into a web browser. Default login information is shown below:

- Username: episode
- Password: episode

The following settings can be changed in the web interface:

- System Status
- Power On (Button, 12V Trigger, Audio Sense)
- Input/Output Configuration
- Audio Routing Configuration
- Network IP and Clock Settings
- EQ Presets for Episode Speaker Configurations
- Custom DSP Control

Popular Control System and RS-232 drivers can be found via the Product Support tab.

NOTE: The Hybrid amplifier's default IP address is 192.168.100.118, if you do not connect it to the LAN.

INPUT GAIN

The Episode Hybrid amplifier is optimized for peak performance when the input voltage of the source is 1.4V. To help you achieve that number, the Hybrid amp includes a pre-amplified stage to modify the input source voltage. If the input voltage from the source is less than 1.4V, maximum power output from the amplifier cannot be achieved and the speakers may sound under powered, or quieter than expected. Adjust the **Input Gain** to get your source's output voltage as close to 1.4V as possible.

Use the **Input Gain** slider to boost the input voltage of your source and watch the **Output Level** to make sure it does not clip, or the level turn red. It important to determine how volume is being controlled for the zone in which the hybrid amplifier is being used. There are two common use cases for this amplifier.

- **Using the amplifiers output gain for volume control:** This is the recommended configuration. Fix the volume of the source and use the amplifier's controls for volume adjustment. This allows for optimal performance and a more granular adjustment to the zones volume. The goal is to make sure your **Output Level** doesn't clip when your amplifier is at peak volume.

- **Using the Source output for volume control:** By using this method you are dynamically changing the source's output voltage being input to the amplifier. With this setup, the scale and granularity of volume control is dependent on the source being used. The goal is to make sure your **Output Level** doesn't clip when your source is at peak volume.

  NOTE: *The output volume of the amplifier must be fixed for this configuration.*

See the **EA-AMP-HYB Amplifier Source Output Chart** to help you determine necessary adjustments.

SPEAKER PRESETS

Amplifiers come with a preloaded bank of presets noted in the table below. This includes full system presets and DSP settings for any landscape speaker when used in combination with ES-LS-BSUB-12 or ES-LS-HSUB-10.

Using Presets in the Web Interface

1. Click the **Preset** button at the top of the page.
2. Select the preset from the **Select Preset** drop-down list.
3. Click **Load Preset**.

Using Presets with the Local Display

1. Press the **Menu** button on the front of the amplifier.
2. Turn the **Adjust/Set** knob until you see **Menu Preset**, then press the knob.
3. Turn the **Adjust/Set** knob until you see the desired preset on the display panel, then press the knob. The preset name will appear with **LOAD** underneath.
4. Press the **Adjust/Set** knob once more, and the amplifier loads the preset from its memory.

Preset charts are on the next page.

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		CHANNEL 2					
		LS-SAT-4 (70V)	LS-SAT-6 (70V)	LS-SAT-8 (70V)	LS-SAT-4 (8Ω)	LS-SAT-6 (8Ω)	LS-SAT-8 (8Ω)
CHANNEL 1	LS-SAT-4 (70V)	(2) LS4SATS					
	LS-SAT-6 (70V)		(3) LS6SATS				
	LS-SAT-8 (70V)			(4) LS8SATS			
	LS-SAT-4 (8Ω)				(17) LS4SAT_8		
	LS-SAT-6 (8Ω)					(18) LS6SAT_8	
	LS-SAT-8 (8Ω)						(19) LS8SAT_8
	LS-HSUB-10 (8Ω)	(5) ST4_HS10	(6) ST6_HS10	(7) ST8_HS10	(8) S4HS10_8	(9) S6HS10_8	(10) S8HS10_8
	LS-BSUB-12 (8Ω)	(11) ST4_SB12	(12) ST6_SB12	(13) ST8_SB12	(14) S4SB12_8	(15) S6SB12_8	(16) S8SB12_8

PRESETS ON UNIT OUT OF BOX			
Preset#	**Preset Name**	**Output Voltage**	**Speaker Hookup**
1	Default	8Ω	Flat
		8Ω	Flat
2	LS4SATS	70V	SAT 4
		70V	SAT 4
3	LS6SATS	70V	SAT 6
		70V	SAT 6
4	LS8 SATS	70V	SAT 8
		70V	SAT 8
5	ST4_HS10	8Ω	HARDSCAPE 10″
		70V	SAT 4
6	ST6_HS10	8Ω	HARDSCAPE 10″
		70V	SAT 6
7	ST8_HS10	8Ω	HARDSCAPE 10″
		70V	SAT 8

PRESETS ON UNIT OUT OF BOX			
Preset#	**Preset Name**	**Output Voltage**	**Speaker Hookup**
8	S4HS10_8	8Ω	HARDSCAPE 10″
		8Ω	SAT 4
9	S6HS10_8	8Ω	HARDSCAPE 10″
		8Ω	SAT 6
10	S8HS10_8	8Ω	HARDSCAPE 10″
		8Ω	SAT 8
11	ST4_SB12	8Ω	BURIAL 12″
		70V	SAT 4
12	ST6_SB12	8Ω	BURIAL 12″
		70V	SAT 6
13	ST8_SB12	8Ω	BURIAL 12″
		70V	SAT 8
14	S4SB12_8	8Ω	BURIAL 12″
		8Ω	SAT 4
15	S6SB12_8	8Ω	BURIAL 12″
		8Ω	SAT 6
16	S8SB12_8	8Ω	BURIAL 12″
		8Ω	SAT 8
17	LS4SAT_8	8Ω	SAT 4
		8Ω	SAT 4
18	LS6SAT_8	8Ω	SAT 6
		8Ω	SAT 6
19	LS8SAT_8	8Ω	SAT 8
		8Ω	SAT 8

NOTE: More preset files are available on the product page, if you can't find a default preset that matches your system design. Refer to the manual for more instructions on loading those files into your Episode Hybrid amplifier.

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WARRANTY

2-Year Limited Warranty

Episode® Amplifiers have a 2-Year Limited Warranty. This warranty includes parts and labor repairs on all components found to be defective in material or workmanship under normal conditions of use. This warranty shall not apply to products that have been abused, modified or disassembled. Products to be repaired under this warranty must be returned to a designated service center with an assigned return authorization (RA) number. Contact technical support at support@episodeaudio.com for an RA number.

CONTACTING TECHNICAL SUPPORT

866.838.5052

support@episodeaudio.com

WARNING: This product can expose you to chemicals including Cadmium, which is known to the State of California to cause cancer and Reproductive harm. For more information go to www.P65Warnings.ca.gov.

Lithium Battery Caution:

1. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.
2. Do not remove cover, no user serviceable components inside. Take unit to service center for repairs and servicing.

Batterie au lithium Attention :

1. Danger d'explosion si la batterie est remplacée de manière incorrecte. Remplacez uniquement par le même type ou un type équivalent recommandé par le fabricant. Débarrassez-vous des piles usagées conformément aux instructions du fabricant.
2. Ne retirez pas le couvercle, aucun composant interne réparable par l'utilisateur. Apportez l'appareil au centre de réparation pour réparation et entretien.

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