

12 Channel Media Splitter



A audio distribution amplifier primarily designed to feed multiple ENG cameras from a single lectern microphone at media events. Available in 6, 9 and 12 channel versions.

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Key Features...

- Each output has its own IC buffer amplifier to provide a high degree of isolation between outputs.
- The input and all outputs are transformer balanced. There is a total of 13 high quality audio transformers. These are all mu metal screened to prevent hum pickup from nearby magnetic fields.
- Individual level controls on each output are adjustable continuously from mic through to line level.
- Individual earth lift switches on each output.
- A LED ladder level meter provides a visual indication of signal. The clip LED is set at 6dB before clip.
- Only the output level controls and earth lift switches are on the front panel. All other controls are on the rear panel away from unauthorized fingers.

Rear Panel



The following is mounted on the rear panel...

- Input gain control. Adjustable over the range of -15 to +20dB. The input is nominal line level as it is envisaged that a mixer would be available to drive the local PA system and the Media Splitter.
- 1kHz alignment oscillator. It delivers a fixed +4dB to the output channels. This enables cameras to be setup before the main audio feed is available.
- Monitor amplifier. It drives headphones or a low quality 2" (50mm) loud speaker. The speaker is intended only as a means of verifying the presence of audio and as a fault finding aid in setting up the system. Connecting headphones to the headphone socket will mute the speaker. The monitor amp has its own level control.

Connections and Setup

The Input.

This is a 3 pin XLR male with a parallel female for convenient looping. The input is transformer balanced and as a consequence, ***all 3 pins on the input XLR must be wired.*** This happens by default if the source is balanced.

If the source is unbalanced, wire pin 2 hot and pins 1 and 3 earth. (Pins 2 and 3 may be swapped if desired)
Failure to wire all 3 pins will run the input transformer “single legged” and will result in loss of low frequencies.

The Outputs.

While the output XLR connectors are wired balanced, unbalanced devices may also be connected. There are several ways to wire an unbalanced cable to a balanced output. The electronic architecture used in the Media Splitter allows every possible wiring arrangement to work. The preferred wiring for unbalanced loads is...
Pin 2 hot and pin 1 earth. Pin 3 may be left open or tied to earth. (Pins 2 and 3 may be swapped if desired).

Basically, pick any two pins and you'll have audio. The third pin can be left open or tied to ground. Phantom Power from a camera can also be fed into the outputs with no problems.

Setup

Set the output level control of a selected channel on the Media Splitter fully counter clock wise
Connect a camera or similar device to that output.
With audio or tone present, increase the channel's output level control until the camera's sound level meter is happy.
There is no need to change the camera's normal record levels or its mic/line switch setting. This is a good thing as some camera operators don't even know they have a mic/line switch!

Specifications

Power.

110/230/240V 50/60Hz mains power. Specify at time of ordering.
30 watts maximum.

Input Level

Nominal line level.

Rear panel gain control is adjustable from -15dB to +20dB

Input Impedance

10K ohms floating. Transformer balanced.

Outputs

Transformer balanced with individual earth lift switches.

Output Level

Continuously variable from mic to line.

Output Impedance

Less than 50 ohms with the output level control set to either extreme, increasing to approximately 900 ohms at the centre of the level pot's travel.

Connectors.

Output: 3 pin XLR female.

Input: 3 pin XLR male with a parallel female for convenient looping.

Dimensions.

2 unit high 19" rack mount all metal chassis.

Weight.

6.9 kg (15.2 pounds)

Warranty

The Leon Audio Media Splitter is guaranteed for two years from date of original purchase against defects in workmanship and materials. If such malfunction occurs, the item will be repaired or replaced (at our option) without charge for materials or labour if delivered prepaid to THE LEON AUDIO COMPANY. Unit will be returned prepaid. Warranty does not cover finish or malfunction due to abuse or operation at other than specified conditions. Repairs by other than THE LEON AUDIO COMPANY or authorized agents will void this guarantee.



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