

## **SPLITMON 2**

2 channel audio splitter with return functions

The Splitmon 2 allows you to feed two, and monitor 3 two channel cameras or recorders. Input line level program using an Engh 7-pin Quick Release mixer end.

A and B outputs are identical and isolated, utilizing dual output transformers. 7-pin extensions and camera ends complete the system.

Confidence return monitoring is routed back into the mixer headphone matrix. First select 'return' in the mixer, then with the rotary switch on the Splitmon 2.

When the source is a recorder without a return monitoring function, you may listen to program and two returns through the Splitmon headphone jack. Connect the recorder headphone output to the C input.

### **FEATURES:**

- 7-pin XLR in and out = fast set-up and breaks
- Line level design - will handle up to +24dB
- Low distortion custom transformers
- No power required
- B output ground lift and return volume trim
- Belt clip is removable
- Rotary switch is smooth, sealed and very quiet

### **ACCESSORIES NEEDED:**

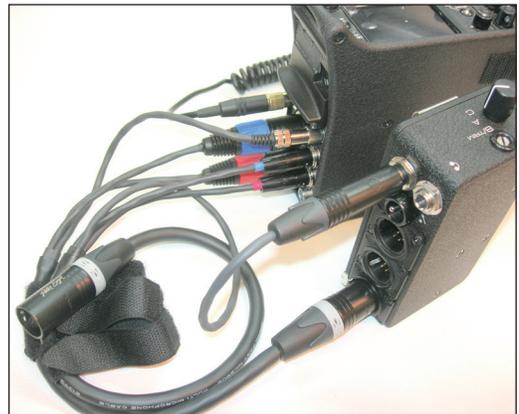
- 2 M3 7-pin extension cables - usually PE-1018 30 foot
- 1 M3 7-pin quick release cable set - like PE-1000
- 1 M3-camera end only - like PE-1006

### **OPTIONAL:**

- 7-pin transmitter harness - PE-1027 - dual Lectros 1/4" & right angle mini cable for C input - 24" PE-1052

### **COMPACT:**

5.5" H, 3" W, 1.5" D, 1 lb 1 oz.



**S O U N D   R E C O R D I N G   I N T E R F A C E   P R O D U C T S**

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## **SPLITMON**

### **FIELD USE NOTES:**

#### **Why would I use a SPLITMON?**

##### **SAVE TIME**

Set-up and take-down is so easy you'll smile every time you use it. When the producer walks in and makes changes in your set, you simply unplug 7-pin cables and rearrange.

##### **LESS NOISE & BETTER SOUND**

With transformer isolation, each camera has its own feed. The mixer outputs are properly loaded and the camera inputs are well matched. Most noise found on two and three camera shoots is related to shielding or grounding problems. The "ground lift" switch on the SPLITMON is provided to help solve some of these problems.

##### **GROUND "LIFT"?**

"Lift" means to "break" or "cut" part of the ground circuit. When feeding a second (or third) camera deck there may be more than one ground path. This happens when you add BNC cables and AC powering to an already complicated audio circuit.

Buzzes and hums are the result of these multiple grounds acting as antennas or noise pick-ups. Dimmers for lighting are notorious noise generators that prey on these complex cabling situations. A ground lift switch gives you a tool for reducing or eliminating unwanted noise.

What's the normal position of the switch? Usually it starts in the ground connected, or non-lifted, (left) position. After set-up you listen to the monitor return and select the setting with the least amount of noise.

##### **SPLITMON CONCEPT**

The SPLITMON idea grew out of a need to integrate cabling and transformer isolation on two camera set-ups. Earlier designs were reliably in use as early as 1988.

### **GENERAL ADVICE**

#### **CENTRAL AC POWER:**

Use one power strip for cameras and video monitors. Put this on a circuit you know to be separate from lights.

#### **CABLE ROUTING:**

Sometimes you can eliminate a hum problem by careful positioning of audio cables near AC lines.

Crossing at a right angle usually works best if they need to touch. Audio cabling laying right next to an AC power cord for any distance can cause hum.

A hollow floor? It's happened to me several times in office buildings, where AC lines just happened to be underneath a microphone power supply, causing a horrible hum. Moving it just 5" away cleared it up. Your mixer bag could also be sitting on top of such wiring.

#### **LISTEN BEFORE EVERYBODY SITS DOWN:**

If at all possible, put mics up and get everyone to allow "roomtone" for 20 seconds. What sounds good while setting lights may surprise you when everyone quiets down. It's better to do this before pressing record.

#### **ON THE ROAD**

If you find a great restaurant the first night, keep on going back.

If you can't find a good one, grocery stores are usually safe.

If you use a SPLITMON you might have time to eat.

