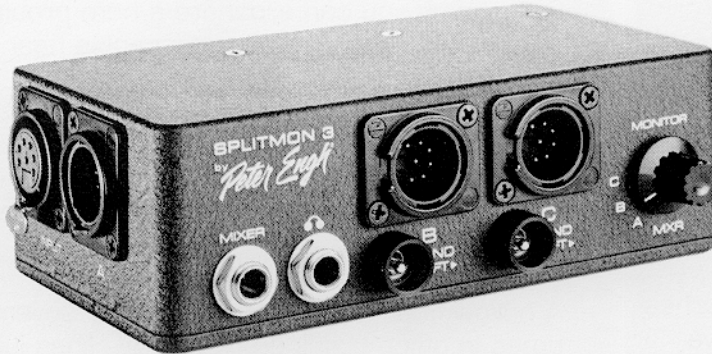


Peter Engh®

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SPLITMON 3 Three Camera Splitter

The SPLITMON 3 allows you to **feed and monitor three camera decks** from any field mixer with line level outputs.

Custom transformers provide isolation and proper impedance matching. Ground lift switches are provided for the "B" and "C" outputs to help prevent ground loop hums and buzzes.

Listen to the program functions or individual tape monitor returns. The rotary switch is sealed and very quiet with smooth action.

FEATURES:

- 7 Pin XLR input & outputs
- **Line level capacity;** up to +24dB
- Heavy duty construction
- No power required

Compact:

2" H, 6" W, 4" D, 22 oz.

Accessories included:

- 1 HP-24 headphone cable -24"

Cables needed:

- 3 M3-30X 7pin extension cables; one for each camera deck.
- 1 M3-18 Quick Release cable set for "A" camera.
- 2 M3-Camera ends for "B" & "C" cameras.

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 deck 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" switches on the SPLITMON are 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 deck 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 multiple 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 the tape starts rolling.

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.



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