

# PROFESSIONAL SOUND CORP.

## PRESS BRIDGE OPERATION MANUAL

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## OVERVIEW

The Professional Sound Corporation® **Press Bridge** has been designed to allow audio distribution at press conferences. This 3 input, 12 output device provides transformer-isolated audio feeds at microphone level. This **Press Bridge** features two microphone level and one line level input, each with independent level controls, thus it may operate without the use of any additional audio mixer.

An important distinguishing feature of this press bridge is the ability to add additional "satellite style" output modules each with 12 additional outputs, all the way up to a total of 300 outputs. These freestanding output modules are available as the PSC "Press Train". Up to 24 Press Train modules may be remotely located from the main unit via standard microphone cables up to 100' in length thus eliminating multiple long cable runs to each member of the media.

The Professional Sound Corporation® **Press Bridge** is housed in a heavy-duty Pelican case for easy shipping, transportation and set up. It can be powered for more than 8 hours from four 9 volt batteries, or from the included 12Vdc adapter. A peak reading LED meter and an internal tone oscillator are provided for level setting purposes.

## OPERATION

1. Confirm that the PSC Press Bridge has new batteries. Only use alkaline cells. If the batteries are in good condition, the front panel green LED will light when the Press Bridge is turned on. If the batteries are below usable range, the LED will turn red, indicating the need to install fresh batteries. An external AC is included with the Press Bridge and may be used instead of the batteries if AC power is available.
2. You may wish to supply a reference tone to the various camera crews prior to the press conference starting. This will allow the camera crews to pre-set the levels to match the output levels of the PSC Press Bridge. When using the Reference oscillator, you should turn off all three audio inputs so that the PSC Press Bridge will output a pure tone for reference purposes. Prior to the start of the press conference, turn off the reference oscillator and resume mixing of the three audio inputs.

3. The PSC Press Bridge contains two microphone inputs and one line level input. The two microphone inputs are designed to operate with Dynamic microphones only, such as the Electro-Voice RE-50 or the Shure SM 57/58. Any combination of one or two microphones and one line level signal may be used at any time. The PSC Press Bridge contains a simple mixer function allowing you to mix any desired signals.
4. Operate the input level controls so that the peak reading LED meter responds with peaks approaching "0" dB.
5. The PSC Press Bridge contains 12-balanced outputs at microphone level. Each of these outputs is transformer balanced and isolated (floating) from ground. This assures that each output can be used to feed various camera crews without the worry of ground loops, etc. Notify the camera operators to set their inputs to Microphone level and to turn off all microphone powering. Have them set their camera audio inputs to "Dynamic".
6. If you have a need for additional outputs beyond the 12 of the Press Bridge, you can add on the PSC Press Train for an additional 12-outputs. You can add up to 24-Press Trains for a total of 300 outputs. On the lower right-hand side of the PSC Press Bridge face plate there are three XLR male connectors that output the mixed audio at line levels. These outputs are used to connect to the PSC Press Trains. Press Trains can then be "Daisy-Chain" wired with up to 8 Press Trains wired in series from each of the three balanced line level outputs.

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