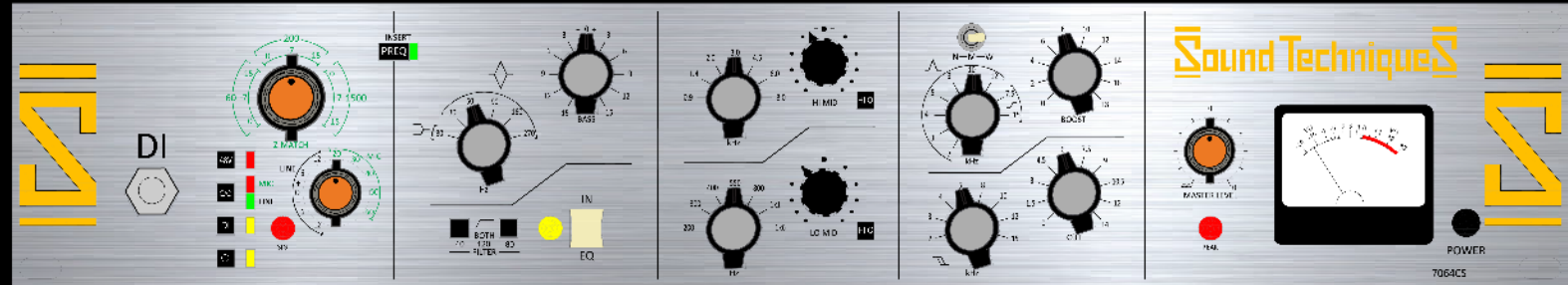


# The Sound Techniques ZR7064CS Channel Strip



- 48V** Activates phantom power for the mic input. It is a latching switch. Up is phantom off, down is phantom on with the LED lit.
- C/O** Changes over from Mic input to Line input and vice-versa. It is a latching switch; up is Mic with the red LED lit, down is Line with the green LED lit. Mic & Line inputs are on XLR connectors on the rear panel. The line input is also available on the DB25 connector.
- DI** Selects the Direct Input (instrument input) on the front-panel jack socket. DI works in conjunction with the Mic input circuitry and facilities, however, it automatically sets parameters that provide the best electrical matching to the instrument signal characteristics. DI disables operation of the Z-Match switch, setting the circuitry to 200-Ohms at 0dB. Independently of the C/O switch, DI forces the Mic input to be active so as to allow the front panel jack socket to feed the mic input transformer and amplifier. A unique feature of the DI input is that it is balanced, generally instrument inputs are unbalanced.

- SIG LED** This LED responds to the presence of a signal at the unit's input. It illuminates when a level of -20dBu is present at the insert send.
- Z-Match** Impedance matching at 60, 200 and 1500 each with 0, -7 and -15 pad. Functions as-per the ZR7064 input channel but with the noted exceptions for the DI input as detailed above.
- Mic / Line Gain** Line Level +/- 12, Mic Level 20-60 dB. Functions as-per the ZR7064 channel.
- PREQ** Switches the Pre-EQ insert return into the signal path. The insert send is always active. It is a transformer driven output.

- EQ** The equalizer is as per the ZR7064 with LF bell response. The equalizer is switched into circuit by the lever switch. An associated LED lights when the EQ is active.

## There are 5 control bands within the EQ:

- LF:** +/-15dB at 6 frequencies (30Hz to 270Hz). Gain is in 3dB steps. Five of the frequencies are bell response, with 80Hz being a specific shelving response frequency.
- Low mid:** 7 frequencies (200Hz to 1.6kHz) with +/-12dB at low Q and +/-18dB at high Q. Gain is continuously variable.
- High mid:** 7 frequencies (900Hz to 8kHz) with +/-12dB at low Q and +/-18dB at high Q. Gain is continuously variable.
- HF Boost:** 0dB to +18dB boost in 2dB steps. There are 9 frequencies available. Seven frequencies are peaking with Narrow, Mid and Wide bandwidth selection via a toggle switch (2kHz through to 12kHz). Two frequencies are shelving (7.5kHz and 15kHz).
- HF Cut:** 0dB to -14dB cut in (generally) 1.5dB steps. There are 8 frequencies available (2kHz to 15kHz) with a shelving response.
- LF Filter:** A 3-frequency LF filter is provided, the frequency selection being via two press-button switches. The slope is 18dB per octave. Frequencies are 40Hz, 80Hz and 120Hz.

- Master Level** A rotary pot with unity gain in the mid position. It has 10dB gain in hand.

- Peak LED** Monitors 3 points within the unit:

- Input stage (Mic / Line / DI)
- Output of the equalizer
- Final output of the unit.

- The LED illuminates when a level of +21dBu is detected at any of the monitor points.

- Meter** The meter monitors the final output of the unit.

- Power** Switches DC power to the unit.

