

# FFX-2



**T**he Crown FFX-2 is an inexpensive, state-of-the-art dual channel electronic crossover with fixed crossover frequencies. The user can pre-set the crossover frequencies by changing plug-in resistors; this arrangement results in a low cost for such a high-performance device. In dual channel mode, the FFX-2 provides 18 dB/octave, 2-way (hi-low) filters. In mono mode, it provides 3-way (hi-low) filters.

The FFX-2 installs in a standard 19 inch rack with a 1¾ inch standard rack height.

Balanced inputs and outputs with screw terminals, inverting or non-inverting, are barrier strip terminated.

The unit is ideal for fixed installation by contractors because the screw terminals accept crimp-on cable connectors or direct wire. There are no controls for the user to improperly adjust.

In addition, the FFX-2 can function as an excellent mono subwoofer-combining crossover for recording studio or club applications. It also is the preferred crossover for fixed-setting portable sound-reinforcement systems.

Performance, versatility, and the quality assured 3-year Crown warranty make the FFX-2 the obvious choice.

## Crown's 3-Year No-Fault Warranty

Crown International now offers a 3-Year No-Fault Warranty for every new Crown product—an industry standard. With this unprecedented No-Fault protection, your new Crown product is warranted to meet or exceed original specifications for the first three years of ownership. During this time, if your Crown equipment fails for *any reason* or does not perform to original specifications, it will be repaired or replaced at our expense. This includes parts, labor and round-trip shipping. About the only things not covered by this warranty are those losses normally covered by insurance and intentional abuse. And the coverage is transferable should you ever decide to sell your Crown product.

See your Crown dealer for full warranty disclosure and details.

## Specifications

**Filter type:** 18 dB/octave high-pass and low-pass.

**Frequency response:** 20 Hz to 20,000 Hz +/- 0.1 dB.

**Noise:** -100 dB (10 V reference, 20 Hz to 20,000 Hz).

**Distortion:** Less than 0.05% I.M. and T.H.D.

**Gain:** Unity (for balanced connections as sent from the factory).

-6 dB (for unbalanced connections as sent from the factory).

Unity (for unbalanced connections if R102, R103, R202 and R203 are removed).

+6 dB (for balanced connections if R102, R103, R202 and R203 are removed).

**Input/Output connectors:** 20-pin barrier block (screw terminals), balanced inputs and outputs.

**Input impedance:** 20 kilohms balanced; 10 kilohms unbalanced.

**Output impedance:** 600 ohms balanced.

**Polarity:** Output terminal marked + is in phase with input terminal marked +. Output polarity may be reversed by reversing + and - leads.

**Power requirements:** 120 VAC (90 to 132 VAC), 50-60 Hz.

**Display:** LED power indicator (pilot light).

**Construction:** All-steel chassis, top cover and back panel. Carbide black front panel, splatter-coat black chassis and top cover.

**Dimensions:** 19 inches wide (standard rack mount), 6.5 inches deep, 1.75 inches high (48.3 cm x 16.5 cm x 4.45 cm).

**Weight:** 4 lbs. 5 oz. (2 kg).

## Architect's Specifications

The electronic crossover network shall be a solid-state two-channel model with both dual channel and mono modes of operation. In dual channel mode the crossover shall provide 18 dB/octave, two-way (high-pass, low-pass) filters. In mono mode the crossover shall provide three-way (high pass, band-pass, low-pass) filters. The crossover frequency shall be easily selected with plug-in resistors. An LED shall be provided to show that the unit has power. Both the inputs and outputs shall be balanced. The input impedance shall be 20 kohms balanced and 10 kohms unbalanced. The output impedance shall be 600 ohms. Connection to both the inputs and outputs shall be made with a 20-pin barrier block (screw terminals) mounted on the rear panel. The output terminal marked + shall be the same polarity as the input terminal marked +. The signal polarity shall be capable of being reversed by reversing the output leads marked + and -. The crossover shall meet or exceed the following performance criteria. Voltage gain: unity for balanced connections (as set by the factory); -6 dB for unbalanced connections (as set by the factory). Hum and noise: the signal shall be at least 100 dB above the noise level (20 Hz to 20 kHz), referenced to 10 V. Frequency response: 20 Hz to 20 kHz, +/- 0.1 dB. Distortion: less than 0.05% THD and IMD. The power requirements shall be 120 VAC (+/- 10%), 50-60 Hz. The chassis, top and bottom covers shall be constructed of steel. The front panel shall be constructed of aluminum. The front panel shall be finished with carbide black paint and the chassis with splatter-coat black paint. The dimensions of the crossover shall allow for 19-inch (48.3 cm) EIA standard (RS-310-B) rack mounting. The crossover chassis shall be 1.75 inches (4.45 cm) tall, 6.5 inches (16.5 cm) deep. The crossover shall weigh 4 pounds, 5 ounces (0.6 kg). The crossover network shall be designated the Crown FFX-2.



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