

P.I.P.—FMX

REFERENCE MANUAL



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Fig. 1.1 PIP-FMX

1 Welcome

Thank you for purchasing the Crown® P.I.P.-FMX accessory. P.I.P.® modules are designed to quickly install in the rear panel of many Crown amplifiers. P.I.P. stands for “Programmable Input Processor.” Their versatile features expand the capabilities of your amplifier and enable you to customize it for your particular needs.

FMX means Female and Male XLRs to signify that the unit uses female and male XLR connectors for “daisy chain” input/output.

Features

- ❑ 3-pin female XLR connectors are provided for input.
- ❑ 3-pin male XLR connectors are provided for daisy chaining the input to other amplifiers.
- ❑ Male or female connectors can

be used for input or daisy chaining since they are wired in parallel.

- ❑ The 1/4-inch phone jack inputs can also be used for daisy chaining other amplifiers equipped with 1/4-inch inputs (such as the Macro-Tech® series).
- ❑ The XLR connectors are wired with pin 1 as the signal ground (shield), pin 2 as a noninverted input (+), and pin 3 as an inverted input (-).

2 Installation

You may need a Phillips screwdriver to remove the existing *P.I.P.* module or panel from your amplifier.

CAUTION: Before connecting this or any *P.I.P.* to your amplifier, it is important to turn the amplifier's level controls down, turn it off and remove the AC power. Don't touch the circuitry. Even though the amplifier is off, there could still be enough energy remaining to cause electric shock.

1. Turn down the level controls (full counterclockwise), turn off the amplifier and unplug it from the AC power source.
2. Remove the existing *P.I.P.* module or panel (two screws). For *PIP2* amplifiers, this may involve disconnecting the *P.I.P.* from a *PIP2* input adaptor (see Figures 2.2 and 2.3). If a *PIP2* input adaptor is already present, do not remove the ribbon cables from the adaptor. Otherwise you will have to reconnect them in the next step.

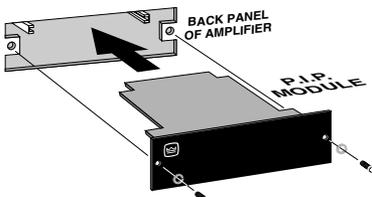


Fig. 2.1 Installation into a Standard *P.I.P.* Amplifier

3. *Standard P.I.P. Amplifiers:* Align the edges of the *P.I.P.-FMX* in the *P.I.P.* card rails and firmly push the unit in until it is seated against the mounting bracket (see Figure 2.1).

PIP2 Amplifiers: (Requires a *PIP2* input adaptor, Crown part number Q43528-1.) Connect the *PIP2* input adaptor to the two input cables of the amplifier (see Figure 2.2). Notice that the *PIP2* input adaptor should be positioned with the *P.I.P.* edge connector on top and facing away from the amplifier. The 20-pin cable (A) is connected first, then the 18-pin cable (B) is connected. Both ribbon cables should extend below the *PIP2* input adaptor.

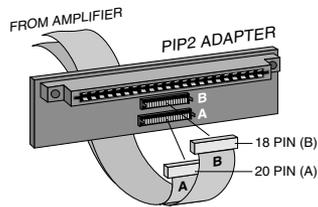


Fig. 2.2 *PIP2* Input Adapter Connection

Next, insert the edge connector of the *P.I.P.-FMX* into the *PIP2* input adaptor (see Figure 2.3) and insert the assembly into the *P.I.P.* opening in the back of the amplifier.

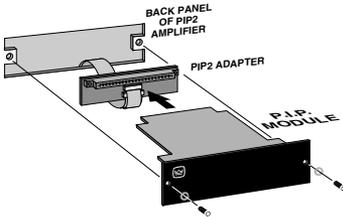


Fig. 2.3 Installation into a PIP2 Amplifier

4. Tighten the two *P.I.P.* mounting thumbscrews.
5. Reconnect input wiring.
6. Plug in the amplifier and turn it on. Adjust its level controls to a desired setting.

Do not tamper with the circuitry. Circuit changes made by unauthorized personnel, or unauthorized circuit modifications, are not allowed.

Remember: Crown is not liable for any damage resulting from over-driving other components in your sound system.

Crown Audio Division

Technical Support / Factory Service
Plant 2 SW, 1718 W. Mishawaka
Rd., Elkhart, Indiana 46517 U.S.A.

Telephone: 219-294-8200
800-342-6939
(North America,
Puerto Rico, and
Virgin Islands only)

Facsimile: 219-294-8301
(Technical Support)
219-294-8124
(Factory Service)

Fax Back: 219-293-9200
800-294-4094
(North America only)
219-294-8100
(International)

Internet: <http://www.crownaudio.com>