Manuals+ — User Manuals Simplified.

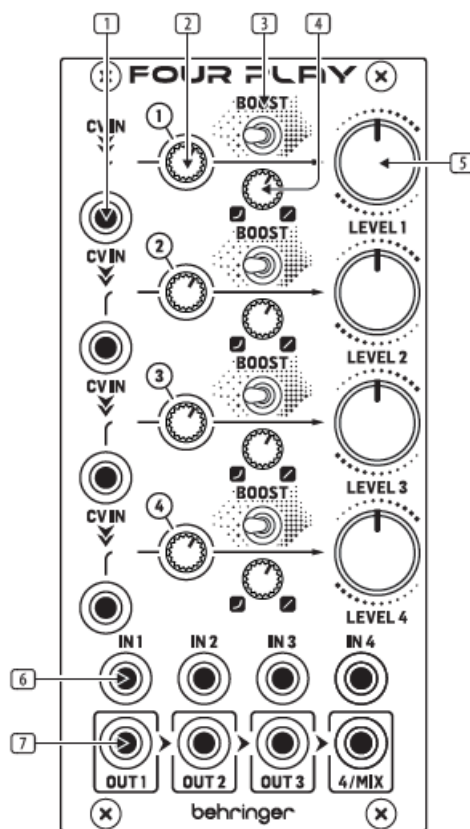# techtop FOUR PLAY Amplifiers Mixer Module Eurorack User Manual

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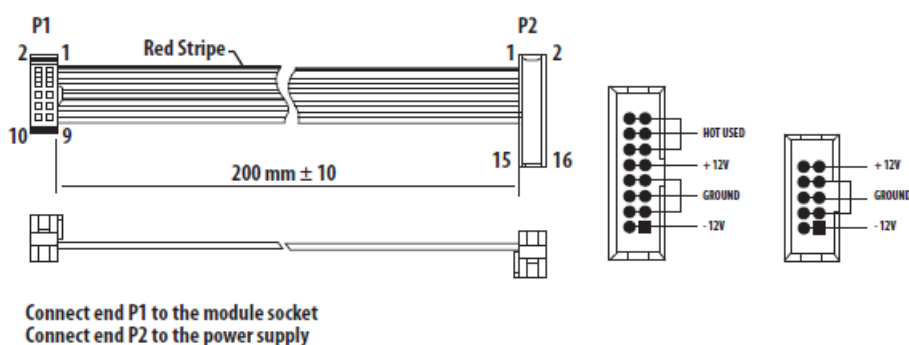
FOURPLAY

Controls

1. **CV IN** – Each channel has its own CV input which is cascaded to the channels below, provided that they do not have a CV cable inserted. If only CV IN 1 is connected it will control all 4 channels. Each CV input has an associated CV LED which lights green for a positive CV (VCA gain) and red for a negative CV (VCA

attenuation), if the CV IN voltage is 0V then the LED does not light.

2. CV ATTENUATOR – Each channel has a CV Attenuator, which can reduce the CV input signal level when moved CCW.

3. BOOST – Each channel has a switchable Boost control, which raises the input gain by +6 dB when the switch is set in the right-hand position.

4. CURVE – Each channel has a continuously variable VCA response curve, ranging from exponential at full CCW to linear at full CW.

5. LEVEL – Each channel has its own overall VCA output level control. The response of the Level control is affected by the Curve control setting.

6. INPUTS – Each channel has its own input, which can be used with audio or CV input signals.

7. OUTPUTS – Each channel has its own output, which is mixed with channels to the right if no output cable is inserted into that channel output. If only the 4/Mix output jack is connected the module operates as a 4 into 1 mixer, which can be operated manually using the Level controls, or voltage controlled via the CV inputs.

Power Connection

The Four Play module comes with the required power cable for connecting to a standard Eurorack power supply system. Follow these steps to connect power tothe module. It is easier to make these connections before the module has been mounted into a rack case.

1. Turn the power supply or rack case power off and disconnect the power cable.

2. Insert the 16-pin connector on the power cable into the socket on the power supply or rack case. The connector has a tab that will align with the gap in the socket, so it cannot be inserted incorrectly. If the power supply does not have a keyed socket, be sure to orient pin 1 (-12 V) with the red stripe on the cable.

3. Insert the 10-pin connector into the socket on the back of the module. The connector has a tab that will align with the socket for correct orientation.

4. After both ends of the power cable have been securely attached, you may mount the module in a case and turn on the power supply

Installation

The necessary screws are included with the module for mounting in a Eurorack case. Connect the power cable before mounting. Depending on the rack case, there may be a series of fixed holes spaced 2 HP apart along the length of the case, or a track that allows individual threaded plates to slide along the length of the case. The free-moving threaded plates allow precise positioning of the module, but each plate should be positioned in the approximate relation to the mounting holes in your module before attaching the screws. Hold the module against the Eurorack rails so that each of the mounting holes are aligned with a threaded rail or threaded plate. Attach the screws part way to start, which will allow small adjustments to the positioning while you get them all aligned. After

the final position has been established, tighten the screws down.

Specifications

Inputs

CV in

Type	4 x 3.5 mm TS jacks, DC coupled
Impedance	> 1 MΩ, unbalanced, half normalled
Max input level	10 V p-p

In

Type	4 x 3.5 mm TS jack, DC coupled
Impedance	30 kΩ, 15 kΩ with boost enabled, unbalanced
Max input level	+19 dBu

Outputs

Out

Type	4 x 3.5 mm TS jack, DC coupled
Impedance	100 Ω, unbalanced, half normalled
Max output level	+19 dBu
Output noise at unity gain	-92 dBu, 22 Hz-22 kHz
Output noise at full attenuation	-98 dBu, 22 Hz-22 kHz
Maximum attenuation	-97 dB at 1 kHz

Controls

CV attenuator	-∞ to unity gain
Exp/Lin	Exponential to linear CV response
Level	-∞ to unity gain
Boost switch	Adds +6 dB input gain
CV LED	Green = positive CV, Red = negative CV

Power

Power supply	Eurorack
Current draw	100 mA (+12 V), 100 mA (-12 V)

Physical

Standard operating temperature range	5° C to 40° C (41° F to 104° F)
Dimensions	60.6 x 129 x 41.3 mm (2.39 x 5.08 x 1.63")
Rack units	12 HP
Weight	0.14 kg (0.31 lbs)

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

Important information:
Changes or modifications to the equipment not expressly approved by Music Tribe can void the user's authority to use the equipment.

Hereby, Music Tribe declares that this product is in compliance with Directive 2014/30/EU, Directive 2011/65/EU and Amendment 2015/863/EU, Directive 2012/19/EU, Regulation 519/2012 REACH SVHC and Directive 1907/2006/EC. Full text of EU DoC is available at **https://community.musictribe.com/** EU Representative: Music Tribe Brands DK A/S Address: Gammel Strand 44, DK-1202 København K, Denmark UK Representative: Music Tribe Brands UK Ltd. Address: 6 Lloyds Avenue, Unit 4CL London EC3N 3AX, United Kingdom

Documents / Resources

Quick Start Guide [EN] FOUR PLAY [ES] [FR] [DE] [PT] [IT] [NL] [SE] [PL] FOUR PLAY Quad Voltage Controlled Amplifiers and Mixer Module for Eurorack	**techtop FOUR PLAY Amplifiers Mixer Module Eurorack** [pdf] User Manual FOUR PLAY Amplifiers Mixer Module Eurorack, Amplifiers Mixer Module Eurorack, Module Eurorack

References

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