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behringer ULTRAPATCH PRO PX3000 Multi Functional 48 Point 3 Mode Balanced Patchbay User Guide

Quick Start Guide

ULTRAPATCH PRO PX3000
Multi-Functional 48-Point 3-Mode Balanced Patchbay

Contents

Safety Instruction

1. Please read and follow all instructions.

2. Keep the apparatus away from water, except for outdoor products.

3. Clean only with a dry cloth.

4. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

5. Do not install near any heat sources such as radia heat registers, stoves or other apparatus (including amplifiers) that produce heat.

6. Use only attachments/accessories specified by the manufacturer.

7. Use only specified carts, stands, tripods, brackets, or tables. Use caution to prevent tip-over when moving the cart/ apparatus combination.
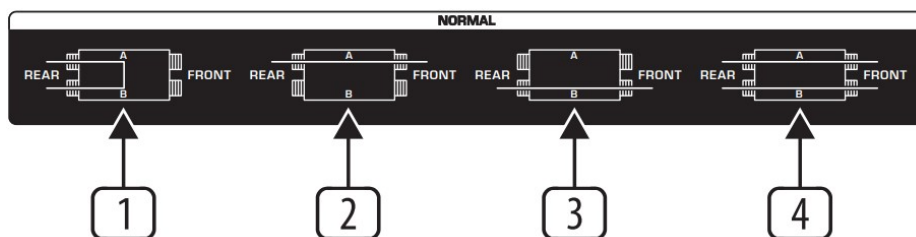

8. Avoid installing in confined spaces like bookcases

9. Do not place naked flame sources, such as lighted candles.

10. Operating temperature range 5° to 45°C (41° to 113°F).
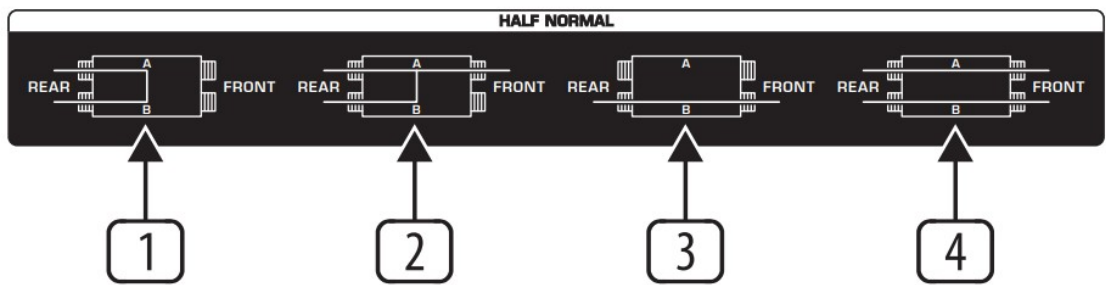
Controls
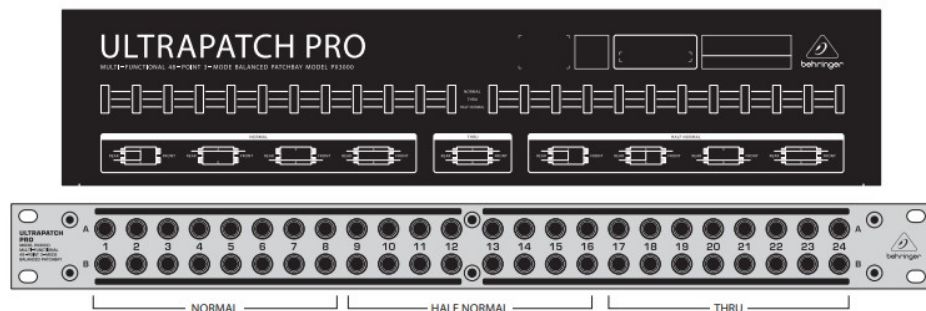
NORMAL MODE

In NORMAL mode the rear A & B jacks of the channel are connected together (pos. (1)). The connection between the rear jacks is disabled when you insert a cable into jack A or B on the front panel (pos. (2) and (3)).

In the example above, top-row channels 1 to 4 are from the outputs of a keyboard and a MIDI sound module. They are connected, in this example configuration, to input channels 1 to 4 on the mixer.

Channels 5 and 6 are from the subgroup outputs of a mixer and are connected, in this example configuration, to the inputs of a computer audio card. Audio sequencer software records the music signals directly onto the hard disk of the computer. Channels 7 and 8 connect the soundcard outputs to the 2-track inputs of the mixer. Since the rear-panel jacks are connected together in the Normal mode (pos. (1)), the subgroup signals can be recorded directly onto the PC and played back via the 2-track input of the mixer (playback/monitoring), without a single patch cable having to be plugged in! In this way, you can build up a basic configuration for your studio, which can be easily modified by simply patching signals via the front-panel jacks (pos. (2)) or by feeding in external signals via patch cables (pos. (3)). You could, for example, connect the keyboard signal to channels 3 and 4 by patching 1A to 3B, and 2A to 4B. So, before wiring your studio, it is advisable to identify the connections that will be used most frequently and set them up, as your basic configuration, one above the other on the patchbay. Then you will have a clear overview of all connections and still be flexible.

HALF-NORMAL MODE

In HALF NORMAL mode, the rear A & B jacks of the channel are connected together (pos. (1)). Unlike NORMAL mode, the connection between the rear-panel jacks is not disabled when a 1/4″ plug is inserted into jack A on the front panel (pos. (2)). This allows you to take the signal from a mixers channel strip in parallel— without interrupting the signal path on the channel strip. Like NORMAL mode, the connection between the rear-panel jacks is disabled when a 1/4″ plug is inserted into jack B on the front panel (pos. (3)). When 1/4″ plugs are inserted into both jacks A & B on the front panel, the front jacks will be connected separately to the corresponding rear jacks (pos. (4)). This is called an "input break" and is used mainly to insert an effect or processor into the signal path.

In the example above, top-row channels 9 to 14 are the sends (tip contact of insert points) from mixer channels 1 to 4 plus the main left & right sends. They are connected, in this example configuration, to their respective returns (ring contacts of insert points) of the mixer.

Outputs from the mixer sends can be taken from jack A without disabling the connection to the returns (pos. (2)). The mixer returns can be used as external line inputs, by patching cables to jack B (pos. (3)). External effects or processors can be inserted into the send-return loop by connecting their inputs & outputs to jacks A & B (pos. (4)). The main left & right outputs of the mixer are connected, in this example configuration, to a mini-disc recorder.

However, they can also be connected in parallel to another recorder (pos. (2)). The mini-disc recorder can record other sources when they are connected to jack B of channels 15 and 16 (pos. (4))

THRU MODE
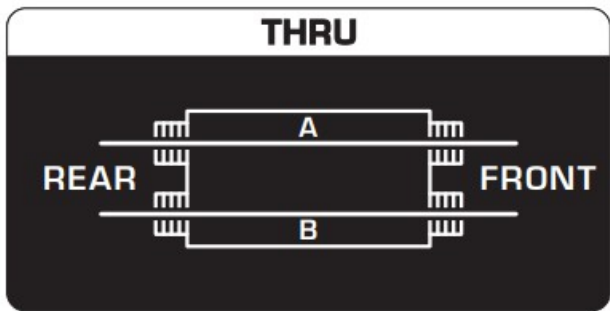
This mode is for sound modules or playback devices (e.g. CD players) that only have output signals. You can save space by routing the left and right outputs to one channel (jacks A & B) of the patchbay. A more typical setup is to connect the left and right outputs to adjacent channels (jacks A & A) and then connect another device to jacks B & B of the same channels. This configuration also allows you to position the inputs and outputs of effects devices, compressors, equalizers, etc. directly above each other.

In the example configuration above, the outputs of the playback devices (CD and mini-disc) plus the four individual outputs of a sampler are connected to channels 17 to 20, while channels 21 to 24 are used for the inputs & outputs of a compressor and an EQ, which are usually connected to the inserts of a mixer.

Specifications

Connectors	1/4″ TRS, balanced
Dimensions (H x W x D)	approx. 93 x 44.5 x 482.6 mm (3.7 x 1.8 x 19″)
Weight	approx. 1.8 kg (4 lbs)

Other important information

Important information

1. **Register online**. Please register your new

   Music Tribe equipment right after you purchase it by visiting **musictribe.com**. Registering your purchase usingour simple online form helps us to process your repair claims more quickly and efficiently. Also, read the terms and conditions of our warranty, if applicable.

2. **Malfunction.** Should your Music TribeAuthorized Reseller not be located in your vicinity, you may contact the Music Tribe Authorized Fulfiller for your country listed under "Support" at **musictribe.com**.

   Should your country not be listed, please check if your problem can be dealt with by our "Online Support" whichmay also be found under "Support" at **musictribe.com**.

   Alternatively, please submit an online warranty claim at musictribe.com BEFORE returning the product.

FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION

Behringer
ULTRAPATCH PRO PX3000

Responsible Party Name:	Music Tribe Commercial NV Inc.
Address:	122 E. 42nd St.1, 8th Floor NY, NY 10168, United States
Email Address:	**legal@musictribe.com**

ULTRAPATCH PRO PX3000
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.
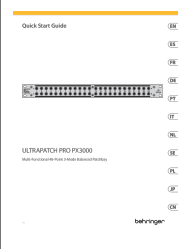
Important information:
Changes or modifications to the equipment not expressly approved by Music Tribe can void the user's authority to use the equipment.

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: 8th Floor, 20 Farringdon Street London EC4A 4AB, United Kingdom

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References

- **Behringer | Home**
- **Music Tribe**
- **Music Tribe**
- **User Manual**