

XPatch

Three Channel XLR Balanced Patch Bay

Artcessories



User's Manual



APPLIED RESEARCH AND TECHNOLOGY

IMPORTANT SAFETY INSTRUCTION – READ FIRST



This symbol, whenever it appears, alerts you to the presence of uninsulated dangerous voltage inside enclosure-voltage that may be sufficient to constitute risk of shock.



This symbol, whenever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual.

Read Instructions: Retain safety and operating instructions for future reference. Heed all warnings printed here and on the equipment. Follow the operating instructions printed in this user guide.

Do not open: There are no user serviceable parts inside. Refer any service work to qualified technical personnel only.

Grounding: Only connect the unit to equipment with properly grounded mains power. Do not defeat the grounding and polarization means of the power cord plug of the connected equipment. Do not remove or tamper with the ground connection on the power cord of the connected equipment.

Environment: Protect from excessive dirt, dust, heat, and vibration when operating and storing. Avoid tobacco ash, drink spillage and smoke, especially that associated with smoke machines.

Handling: Protect the controls from damage during transit. Use adequate padding if you need to ship the unit. To avoid injury to yourself or damage to the equipment, take care when lifting, moving or carrying the unit.

Servicing: Refer servicing to qualified technical personnel.

Installation: Install the unit in accordance with the instructions printed in the user guide.

INTRODUCTION:

Thanks for purchasing Applied Research and Technology's XPATCH. The ART XPatch Three Channel XLR Balanced Patch Bay is a deceptively simple, yet surprisingly useful addition to any serious collection of audio equipment. A patch bay organizes your cables and provides a convenient, easily accessible central location to make all of your audio connections. It also saves wear and tear on the connectors of your audio equipment because all connections are now made and changed at your patch bay. Application settings include use in professional or home recording studios, installed audio including PA, AV and home theater, and live sound.

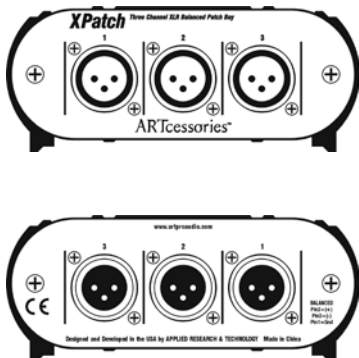
The compact black-anodized all aluminum case and it's passive design allow the XPatch to provide years of trouble free service. It's full feature set and rugged construction make the XPatch the obvious choice.

FEATURES:

- Three channels of balanced direct signals
- High quality passive interface
- XLR connectors (female on front, male on rear)
- All connections made via reliable PCB wiring
- Rugged extruded aluminum case

USING AN XLR PATCH BAY:

Although the ART XPatch, like all patch bays, is conceptually a simple device, it is worth a small investment in time to familiarize yourself with a few of the many ways in which it can be used.



The most basic use for the XPatch is to extend connections from the back of audio devices that are hard to reach using XLR cables to the back of the patch bay. From the front, you can then patch these connections to any place you want. Now you won't have to crawl around behind your gear to access the appropriate jack.

For larger installations you may want to consider our rack mount P16 Sixteen Channel XLR Balanced Patch Bay, but try to include several (within reason) patch bays along an audio signal path (both inputs and outputs) so that rerouting, patching in temporary sound sources and sending signals to temporary output devices can be done without connecting and disconnecting cables directly to and from your devices, like console inputs and outputs. For example, bringing room tie lines up to a XPatch patch bay allows you to use short XLR patch cables to route mics in the studio booths to preamps in the control room. This saves wear and tear on equipment that is much more expensive to replace than patch bays are.

Using XLR connectors allows you to pass both balanced and unbalanced signals and use standard XLR adapters like ground lifts, isolation transformers, filters and attenuators. The signals may include phantom power for microphones that require it. The XPatch's outputs are connected directly to the inputs (pin 1 to pin 1, pin 2 to pin 2 and pin 3 to pin 3) so that phantom power passes through unchanged. Please note, however, that you should be extremely careful not to connect phantom power to an input or output not designed to handle it.

However you decide to use it, we're sure you'll find the ART XPatch Three Channel XLR Balanced Patch Bay to be an indispensable addition to your audio equipment arsenal.

SPECIFICATIONS:

Connectors:	balanced XLR
CMRR:	> -95 dB (typical)
Isolation:	> -95 dB (typical)
Dimensions HxWxD (in):	1.85 x 4.6 x 3.9
HxWxD(mm):	47 x 117 x 99
Weight (lbs/kgs):	0.84 / 0.38

WARRANTY INFORMATION:

Limited Warranty (USA only)

Applied Research and Technology will provide warranty and service for this unit in accordance with the following warrants:

Applied Research and Technology, (ART) warrants to the original purchaser that this product and the components thereof will be free from defects in workmanship and materials for a period of **three** years from the date of purchase. Applied Research and Technology will, without charge, repair or replace, at its option, defective product or component parts upon prepaid delivery to the factory service department or authorized service center, accompanied by proof of purchase date in the form of a valid sales receipt.

Exclusions

This warranty does not apply in the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs. This warranty is void if the serial number is altered, defaced, or removed.

ART reserves the right to make changes in design or make additions to or improvements upon this product without any obligation to install the same on products previously manufactured.

ART shall not be liable for any consequential damages, including without limitation damages resulting from loss of use. Some states do not allow limitations of incidental

or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific rights and you may have other rights, which vary, from state to state. The warranty terms listed above are only valid within the United States of America. For units purchased outside the United States, an authorized distributor of Applied Research and Technology will provide service. For information on warranty and service policies outside of the U.S., please contact your local distributor.

Please fill in the following information for your reference:

Date of purchase: _____

Purchased from: _____

SERVICE:

The following information is provided in the unlikely event that your unit requires service.

1. Be sure that the unit is the cause of the problem. Check to make sure that the unit has power supplied, that all cables are connected correctly, and that the cables themselves are in working condition. You may want to consult with your dealer for assistance in troubleshooting or testing your particular configuration.
2. If you believe that the ART unit is at fault, go to www.artproaudio.com. Select "Support", then "Return Authorization Request" to request a return authorization number.
3. If you are returning the unit for service, pack the unit in its original carton or a reasonable substitute. The original packaging may not be suitable as a shipping carton, so consider putting the packaged unit in another box for shipping. Print the RA number clearly on the outside of the shipping box. Print your return shipping address on the outside of the box.
4. Include with your unit: a note with the RA number and your contact information, including a return shipping address (we cannot ship to a P.O. box) and a daytime phone number, and a description of the problem, preferably attached to the top of the unit. Also include a copy of your purchase receipt.



www.artproaudio.com

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XPATCH

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V1.1