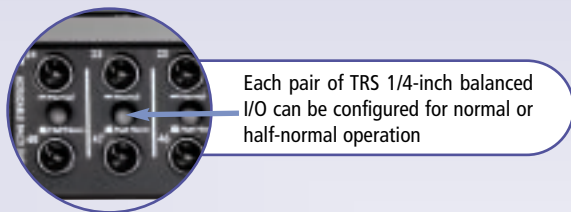


**P48** 48-point Balanced Patchbay  
 The ART P48 48 Point balanced patchbay is the best solution for organizing cables while optimizing connectivity in any studio or live PA rack. Designed for maximum convenience, each pair of TRS 1/4-inch balanced I/O can be configured for normal or half-normal operation.

The fully shielded steel 19-inch 1U rackmount chassis has reversible rack ears for maximum flexibility. The P48 is covered by ART's comprehensive three year warranty.



**Specifications**  
 Connectors 1/4-inch TRS Balanced Phone Jacks  
 CMRR > -90 dB (typical)  
 Channel to channel isolation > -80 dB (typical)  
 Enclosure Steel 1U high, 19-inch rack mount  
 Dimensions (HWD - in) 1.75 x 19 x 3.5  
 Dimensions (HWD - mm) 44 x 483 x 89  
 Weight 4.5 lbs. (2.0 kg)



Each pair of TRS 1/4-inch balanced I/O can be configured for normal or half-normal operation

**P16** Sixteen Channel XLR Balanced Patch Bay  
 Ideal for any live PA rack, studio rack or fixed installation where easy access to XLR inputs are required, the P16 brings all rear-mounted XLR inputs from various devices to one, convenient single space rackmountable location. The P16 saves wear and tear on the connectors of expensive audio equipment by bringing all commonly used connections to the external patch bay.

All-steel chassis, black painted finish and secure, high-quality XLR connections front and back with internal connections made via PCB wiring ensure long term reliability from the passive ART P-16 Balanced XLR rackmount patch bay.



- Sixteen channels of balanced direct signals
- High quality passive interface
- XLR connectors (female on front, male on rear)
- All connections made via reliable PCB wiring
- 19-inch 1U-high rack mount with rugged, fully shielded black all-steel enclosure
- Reversible rack ears for added system flexibility
- Three year warranty



(female on front) XLR connectors (male on rear)

**TPatch** Eight Point Balanced Patch Bay  
 The ARTcessories TPatch is a compact 8-point balanced patchbay that organizes your cables into a convenient central location on your studio desktop. Designed for maximum flexibility, the TPatch has 1/4-inch TRS phone connectors user selectable normal and half-normal modes.

The compact black-anodized all aluminum case and it's passive design allow the TPatch to provide years of trouble free service.

**Specifications**  
 Connectors 1/4-inch TRS Balanced Phone Jacks  
 CMRR > -90 dB (typical)  
 Isolation > -80 dB (typical)  
 Dimensions (in) 1.85 H x 4.6 W x 3.9 D  
 Dimensions (mm) 47 H x 117 W x 99 D  
 Weight 0.84lbs (0.38kg)



**XPatch** Three Channel XLR Balanced Patch Bay  
 The ARTcessories XPatch organizes your cables and provides a convenient, easily accessible central location to make 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.

- 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
- Three year warranty

**Specifications**  
 Connectors Balanced XLR  
 CMRR > -95 dB (typical)  
 Isolation > -95 dB (typical)  
 Dimensions (in) 1.85 H x 4.6 W x 3.9 D  
 Dimensions (mm) 47 H x 117 W x 99 D  
 Weight 0.84lbs (0.38kg)



## DUALXDirect

The Artcessories DUALXDirect provides two independent high quality active interfaces that let you connect instrument, line, or speaker level signals to a mixer or other balanced inputs. Each of the high impedance 1/4-inch and XLR inputs (provided via "combo" jacks) are buffered and converted by very low noise active electronics into an isolated, balanced, low impedance signal output. The DUALXDirect has an extremely flat and wide frequency response and can handle high signal levels. This gives the DUALXDirect a very clean and neutral sound with a wide variety of signal sources and over long signal runs in high noise environments.

Input attenuator switches allow for a wide range of signal levels. Ground lift switches separate the input and output signal grounds to isolate two systems and eliminate hum and ground-loop noise.

The DUALXDirect's active circuitry can be powered via phantom power or by an internal 9V battery. Low current draw (less than 7.5 mA) provides more than 100 hours of operation with a 9V alkaline battery.

The compact black-anodized all aluminum case and it's active design allow the DUALXDirect to provide years of trouble free service in Live Sound, Permanent/Fixed Install, D.J., and virtually any PA application.

- Fully active design
- Phantom voltage or 9V battery powered
- Converts high-impedance balanced / unbalanced inputs into 600 Ohm balanced outputs
- Switchable input attenuation (0, -30 dB)
- Switchable ground lift
- 1/4-inch TRS / XLR combo connector inputs
- XLR connectors for balanced outputs
- Rugged extruded aluminum case



**Specifications**  
 Frequency Response 10 Hz - 100 kHz, ± 0.5 dB @ +0 dBu  
 THD <.05% (typical)  
 Dynamic Range >100 dB (typical)  
 Channel Separation > 80 dB (typical)  
 Maximum Input Level +4, +34 dBu  
 Maximum Output Level +6 dBu (battery) / +14 dBu (phantom powered)  
 Input Connections 1/4-inch TRS / XLR female balanced / unbalanced (2), 470k Ohm  
 Thru Connections 1/4-inch TRS (2)  
 Output Connections XLR male balanced (2), <600 Ohm  
 Input Attenuation Switchable, (0, -30 dB)  
 Power Requirements 9V @ 7.5 mA (battery, alkaline recommended), 18 - 48V DC @ 6.4 mA (phantom power / channel)  
 Dimensions 1.85 H x 4.6 W x 3.9 D (in) 47 H x 117 W x 99 D (mm)  
 Weight 0.84lbs (0.38kg)

## DUALZDirect

The Artcessories DUALZDirect provides two independent high quality totally passive interfaces that connect instrument, line, or speaker level signals to XLR balanced inputs through high performance audio isolation transformers. Designed for live PA or recording applications, the DUALZDirect is ideal for stereo sources including keyboards, stereo guitar rigs or dual mono sources like multiple acoustic guitars, basses etc.

- Fully passive, high performance transformer design  
No battery required
- Converts 50k Ohm inputs into 600 Ohm balanced outputs
- Switchable input attenuation (0, -20, -40 dB)
- Switchable low pass filter
- Switchable phase invert
- Switchable ground lift (fully isolates inputs from chassis and outputs)
- XLR connectors for balanced outputs
- Rugged extruded aluminum case



**Specifications**  
 Frequency Response 10 Hz - 50 kHz, ± 0.5 dB @ +4 dBu  
 THD .01% typical @ 1 kHz, +18 dBu <.05% @ 100 Hz, +18 dBu  
 Channel Separation > 80 dB (typical)  
 Input Connections 1/4-inch TRS unbalanced (2), 50 k Ohm  
 Thru Connections 1/4-inch TRS (2)  
 Output Connections XLR male balanced (2), 600 Ohm  
 Input Attenuation Switchable, (0, -20, -40 dB)  
 Filter Type / Response Switchable, low pass, -3 dB @ 30 kHz  
 Dimensions 1.85 H x 4.6 W x 3.9 D (in) 47 H x 117 W x 99 D (mm)  
 Weight 0.88 lbs (0.40 kg)



## EQ341 | EQ351 | EQ355

### ART 300 Series Graphic EQ Update

The popular ART EQ341, EQ351 and EQ355 graphic equalizers have recently undergone a faceplate update and had their general appearance revamped to the new look being adopted by most ART branded products.

Still the most cost effective Graphic EQs in the ART

line, the 300 Series EQ341, EQ351 and EQ355 still use rugged and reliable all-steel chassis, RCA, 1/4-inch and XLR inputs and outputs, 20mm center-detent sliders and independent level and bypass controls per channel to make them ideal choice for any live sound application.

# USB Dual Tube Pre

Two Channel Tube Preamp / Computer Interface **USB**

The USBDualTubePre is the ultimate compact dual channel tube preamp for any basic recording system. Capable of operating as a standalone unit with USB audio interface, or as an expander for any digital system with s/pdif digital input, each channel in the USBDualTubePre delivers superior tube tone in a fully featured input strip.

Each input of the USBDualTubePre has independent input gain control and output level, phase inversion, low frequency roll-off, true 48v phantom power and a user defeatable opto-compressor circuit capable ensuring superior dynamic control on any input source.

For monitoring, an 1/8-inch TRS mini headphone jack with level and monitor mix controls allow latency-free local monitoring of the inputs while recording as well as playback monitoring of audio mix via the USB bus. The monitor mix is also routed to the 1/4-inch TRS balanced outputs with separate level control for control room monitor source.

The USB interface is fully USB compliant. No special drivers are needed.



- Two channel Tube based Microphone/Instrument preamp computer interface
- Extremely low noise discrete front end with variable input and output controls
- Advanced optical output compressor to simplify recording and prevent overload
- USB connectivity to desktop and laptop computers
- S/PDIF output for expanding inputs on digital workstations and computer interfaces
- Latency free Monitoring Mix and Level controls
- Balanced XLR for lo-Z applications and 1/4-inch hi-Z inputs for instrument DI applications

- Separate Gain, Phase Invert, Low Cut Filter and Compressor switches on each input
- Selectable Dual or Stereo operation of output controls
- Switch selectable Inserts on each channel
- Insert jacks provide a preamp direct out for each channel
- Stereo/Dual operation of Optical Compressor
- Mono switch for single input monitoring
- S/PDIF Sample Rate switch selectable between 44.1K and 48K
- Precision LED metering of both the preamp and A/D sections
- Built-in low noise +48 Volt phantom power supply
- Compact, stackable all aluminum chassis



## CX310

**Two-Way Crossover**  
Designed for PA and fixed-installation applications, the CX310 employs 24dB/octave state-variable, fourth order, Linkwitz-Riley filters. These filters guarantee in-phase outputs at all frequencies which is required for the proper acoustic summing of common signals from adjacent drivers in the crossover region.

Each channel features input level, high and low output level and crossover frequency rotary controls. A frequency "x10" switch is provided for varying the crossover frequency from the standard 80Hz - 920Hz to 800Hz - 9200Hz. Front-panel output mute switches are provided for each individual output to ease system setup. The rear panel features XLR and active balanced 1/4-inch TRS input and output connectors as well as a two-way / three-way mode selector switch.

- Stereo Two-Way or Mono Three-way Configurations
- Fourth-Order Linkwitz-Riley Filters
- Active Balanced XLR and 1/4-inch TRS Input and Output Connectors
- Individual Output Muting Switches
- x10 Frequency Range Adjusting Switch
- Clipping Indicators on all Outputs
- Rugged all-steel Construction



## CX311

**Stereo Two-Way Crossover**  
The CX311 two-way stereo crossover network has an additional subwoofer output for low-end frequency reinforcement. It employs 24dB / octave state-variable, Fourth-order Linkwitz-Riley filters that guarantee properly phased outputs at all frequencies which is optimal for the proper acoustic summing of common signals from adjacent drivers in the crossover region. Each channel features independent high and low output level controls and a crossover frequency rotary control which covers a wide range (250hz to 6khz). All three outputs have a 30 cycle low cut switch to eliminate low-end rumble. The subwoofer features an independent output level and rotary control for frequencies in the 50hz to 250hz range.

- Stereo two-way crossover
- Subwoofer output
- Fourth-order Linkwitz-Riley filters (24dB / octave state-variable)
- Independent high and low output level controls
- Crossover frequency rotary control (250hz to 6khz)
- 30 cycle low cut switch
- Independent output level and rotary control (50hz to 250hz)

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