

TradeTools Direct Boxes

TradeTools are black-box products, built as a result of 22 years of "Can't you just?" requests by our customers for standard products rather than custom ones to do a specific task.

We build absolutely, positively the 2nd best transformers in the audio business (Jenson makes the best). It took us years to design transformers we were satisfied with, and they work par excellence — at way under 1/2 the cost of the other guys. (Our 3db downpoint is only an octave higher than the best).

The boxes are built like a tank so they can be abused by life on the road. We do not need a bunny and a battery to keep these workhorses going. If you think the washer repairman on TV is bored, you should look in on the Pro Co TradeTools repairperson sometime.

TradeTools will outlast the lifespan of the gear they are interfacing, yet are inexpensive to build and own. Get your system connected the right way, the first time with TradeTools .



DB4A

QUAD DIRECT BOX

4-channel professional quality passive direct box for connection of unbalanced musical instruments and line-level sources to low-Z balanced microphone inputs for PA or recording. Each channel features 1 front-panel and 2 rear-panel 1/4" (6.35mm) jacks for input or parallel output, switches for line-level attenuation and ground lift, and front-panel male XLR-type output. Uses Pro Co DBT-1 transformers (20k/150Ω).

Model Number DB4A

Suggested Resale \$362.99



DB1

PROFESSIONAL DIRECT BOX

Professional quality passive direct box for connection of unbalanced musical instruments, line-level sources, and guitar amplifier outputs to low-Z balanced microphone input for PA or recording. 1/4" (6.35mm) input (with parallel 1/4" output). Switches for speaker/line-level attenuation, high-cut filter, and ground lift. Male XLR-type balanced mic-level output. Uses Pro Co DBT-1 transformer (20k/150Ω).

Model Number DB1

Suggested Resale \$106.99



CB1

PASSIVE DIRECT BOX

Passive direct box for connection of unbalanced musical instruments and line-level sources to low-Z balanced microphone input for PA or recording. Not recommended for speaker-level use. 1/4" (6.35mm) input (with parallel 1/4" output). Switch for ground lift. Male XLR-type balanced mic-level output. Uses Pro Co CBT-1 transformer (20k/150Ω).

Model Number CB1

Suggested Resale \$62.49

Cough Suppressors



CD1

Cough Drop

Momentary foot switch to allow operator to turn and hold the microphone off, and then quickly resume live by releasing the switch. Great for sportscasters and singers.

Model Number CD1

Suggested Resale \$55.99

New Cough Suppressors will be out soon. In the interim, for immediate delivery is the CDL1 with a latching switch (the CD1's switch is momentary) for the same price.

TradeTools Interface Boxes



AV1A

AUDIO/VIDEO INTERFACE

For connection of film projectors, tape recorders, and computers to standard low-Z balanced microphone input of public address system. RCA, 1/4" stereo (6.35mm) and stereo mini-jack (3.5mm) inputs. Male XLR-type balanced mic-level output and unbalanced 1/4" line-level output. Switches for high/low level attenuation, 16 Ω load, and ground lift. Uses Pro Co DBT-1 transformer (20k/150 Ω).

Model Number AV1A

Suggested Resale \$130.49



AVP1STS

WALLPLATE AUDIO/VIDEO INTERFACE

Interface projectors or tape machines to standard LO-Z microphone inputs on P.A. systems. Use this where a wallplate is preferable. Available in Black, Stainless Steel or Brass.

Model Number AVP1STS (Stainless Steel)

Suggested Resale \$114.99

Shown in optional black finish (AVP1BLK)



AVP1VSTS

WALLPLATE AUDIO/VIDEO INTERFACE

Interface projectors or tape machines to standard LO-Z microphone inputs on P.A. systems. Includes variable input level control.

Model Number AVP1VSTS (Stainless Steel)

Suggested Resale \$161.99

Shown in optional black (AVP1VBLK)

TradeTools Signal Isolators



IT4A

4-CHANNEL ISOLATION TRANSFORMER UNIT

For balancing and isolation of line-level outputs from mixers, equalizers, crossovers, and other equipment. 4 channels, each with 1/4" (6.35mm) T/R/S and female XLR-type input, and 1/4" T/R/S and male XLR-type isolated output with ground lift switch. Uses Pro Co LOT-1 transformers (600 Ω 1:1).

Model Number IT4A

Suggested Resale \$364.99



IT8A

8-CHANNEL ISOLATION TRANSFORMER UNIT

For balancing and isolation of line-level outputs from mixers, equalizers, crossovers, and other equipment. 8 channels, each with female XLR-type input, and male XLR-type isolated output with ground lift switch. Uses Pro Co LOT-1 transformers (600 Ω 1:1).

Model Number IT8A

Suggested Resale \$549.99



IT1

ISOLATION TRANSFORMER UNIT

For balancing and isolation of line-level outputs from mixers, equalizers, crossovers, and other equipment. 1/4" (6.35mm) T/R/S and female XLR-type input (with parallel 1/4" and male XLR-type output). 1/4" T/R/S and male XLR-type transformer isolated outputs with ground lift switch. Uses Pro Co LOT-1 transformer (600 Ω 1:1).

Model Number IT1

Suggested Resale \$117.99

Microphone Combiner



MC2

MICROPHONE COMBINER

For combining the signals from 2 low-Z balanced microphones to 1 mixer input. 2 female XLR-type inputs (one with polarity reverse switch). Male XLR-type isolated output. Uses Pro Co MBT-2 transformer (150 Ω 1:1:1).

Model Number MC2

Suggested Resale \$131.99

TradeTools Microphone Splitters



MS42A

4 channels 1-in, 1-isolated, 1-direct outputs

Use to split LO-Z microphones to two mixer inputs. Handy four channel unit in one rack space with all connectors on one side.

Model Number MS42A

Suggested Resale \$333.49



MS43A

4 channels 1-in, 2-isolated, 1-direct outputs

Use to split LO-Z microphones to three mixer inputs. Handy four channel unit in one rack space.

Model Number MS43A

Suggested Resale \$417.49



MS82

8 channels 1-in, 1-isolated, 1-direct outputs, I/O via Phoenix Combo-Con™

Use to split LO-Z microphones to two mixer inputs. Handy eight channel unit in one rack space with I/O via Phoenix Combo-Con barriers.

Model Number MS82

Suggested Resale \$672.49



MS82P

8 channels 1-in, 1-isolated, 1-direct outputs, I/O via Phoenix Combo-Con™

Use to split LO-Z microphones to two mixer inputs. Handy eight channel unit in one rack space with I/O via Phoenix Combo-Con barriers. Includes internal phantom power bus. (Power supply not included).

Model Number MS82P

Suggested Resale \$710.99

PPS48 Phantom Power Supply \$93.99



MS83

8 channels 1-in, 2-isolated, 1-direct outputs, I/O via Phoenix Combo-Con™

Use to split LO-Z microphones to three mixer inputs. Handy eight channel unit in one rack space with I/O via Phoenix Combo-Con barriers.

Model Number MS83

Suggested Resale \$881.49



MS83P

8 channels 1-in, 2-isolated, 1-direct outputs, I/O via Phoenix Combo-Con™

Use to split LO-Z microphones to three mixer inputs. Handy eight channel unit in one rack space with I/O via Phoenix Combo-Con barriers. Includes internal phantom power bus. (Power supply not included).

Model Number MS83P

Suggested Resale \$905.99

PPS48 Phantom Power Supply \$93.99

TradeTools Microphone Splitters



MS-2

1-INTO-2 Microphone Splitter

For splitting the signal from a low-Z balanced microphone between 2 mixers. Female XLR-type input. 2 male XLR-type outputs (Direct and Isolated). Isolated output has ground lift switch. Uses Pro Co MBT-1 transformer (150Ω 1:1).

Model Number MS-2

Suggested Resale \$100.49



MS-3

1-INTO-3 Microphone Splitter

For splitting the signal from a low-Z balanced microphone between 3 mixers. Female XLR-type input. 3 male XLR-type outputs (1 Direct and 2 Isolated). Isolated outputs have ground lift switches. Uses Pro Co MBT-2 transformer (150Ω 1:1:1).

Model Number MS-3

Suggested Resale \$123.49

Line Level Splitter



LS82

Line Level Splitter: 8 channels 1-isolated, 1-direct output

1-isolated out, 1-direct out, I/O via Phoenix Combo-Con™. Use to split, balance, and isolate line level outputs to one or two line level inputs. Eight channels in one rack space unit. Uses Pro Co Lot-1 transformer (600Ω 1:1).

Model Number LS82

Suggested Resale \$819.49

Monitor Speaker Selectors



Switch Witch

Powered Monitor Selector

A simple, effective line level speaker switcher that allows the user to select up to four pairs of speakers from a single balanced stereo line level source. All ins and outs are balanced on XLR connectors.

Model Number Switch Witch

Suggested Resale \$299.99

TradeTools Retail Demonstration Switchers

Instore Display Switchers

Use these new Pro Co instore display switches as solutions to the never-ending problem of keeping pro audio rooms organized and operational, ready to demo "now".

New



The DFX12 Demo Effects Switcher allows for up to twelve (12) stereo effects units to be demoed at once. Units can be easily daisy-chained to increase channel count where needed. The unit's outputs have been parallel wired so the customer can listen through an instore monitoring system, or the signal can be sent to a recorder for later playback or sent to headphones via the DFX12's built-in headphone amp.

The DFX12 is a dual rack space unit that can be mounted in any standard 19" rack. The switching is accomplished using twenty-four (24) DPDT (double-pole double-throw) heavy-duty miniature toggle switches,

located on the front panel of the unit, allowing any individual output or combination of the outputs to be fed to the stereo unit. All inputs and outputs are balanced 1/4" T/R/S jacks. A power supply is provided.

Model Number DFX12

Suggested Resale \$1,846.99



The DMPS12H Demo Mic Preamp Selector allows for up to twelve (12) mic preamps and two (2) microphones to be demoed at once. The unit's outputs have been parallel wired so the customer can listen through an instore monitoring system, or the signal can be sent to a recorder for later playback or sent to headphones via the DMPS12H's built-in headphone amp.

The DMPS12H is a single rack space unit that can be mounted in any standard 19" rack. The switching is accomplished using twelve (12) DPDT (double-pole, double-throw) heavy-duty miniature toggle switches, located on the front panel of the unit, allowing any individual output or combination of the outputs to be fed to the mic preamp. Inputs are three (3) pin female XLRs, and patch points and outputs use balanced 1/4" T/R/S jacks. A power supply is provided.

Model Number DMPS12H

Suggested Resale \$1,182.49



The DMS8 Demo Monitor Selector allows for up to eight (8) stereo pairs of powered or unpowered near-field monitors or PA speakers to be demoed at once. Units can be easily daisy-chained to increase channel count where needed.

The DMS8 is a single rack space unit that can be mounted in any standard 19" rack. The switching is accomplished using eight (8) 4PDT (four-pole, double-throw) heavy-duty miniature toggle switches, located on

the front panel of the unit, allowing any individual output or combination of the outputs to be fed to the stereo pair. All inputs and outputs are balanced 1/4" T/R/S jacks.

Model Number DMS8

Suggested Resale \$528.49

These switchers are all built like a tank and are warranted against failure for five years from date of purchase. The units add a professional touch to all pro audio room displays, whether for recording or PA use.

TradeTools **Kwik Fixer Series**



ITX Series Inline Transformers

ITX is a compact custom-made audio isolation transformer providing a floating XLR-type output from an unbalanced source in a convenient package. Female XLR-type input. Male XLR-type output. Usable for 600Ω 1:1.

ITX-Q is the same as ITX, but with a 1/4" (6.35mm) phone plug input. Male XLR-type output. Tip wired in-phase with pin-2. Usable for 600Ω 1:1.

ITX-BQ is the same as ITX, but with a 1/4" T/R/S phone plug input. Male XLR-type output. Tip wired in-phase with pin-2. Usable for 600Ω 1:1.

Model Number ITX **Suggested Retail \$62.99**

Model Number ITX-Q **Suggested Retail \$66.99**

Model Number ITX-BQ **Suggested Retail \$70.49**



Max Series Microphone Attenuators

Female XLR-type input. Male XLR-type output. For low-Z (150Ω) microphones.

MAX-10 provides 10 dB attenuation (pad).

MAX-20 provides 20 dB attenuation (pad).

MAX-30 provides 30 dB attenuation (pad).

Model Number MAX-10 **Suggested Retail \$30.99**

Model Number MAX-20 **Suggested Retail \$30.99**

Model Number MAX-30 **Suggested Retail \$30.99**



LMX Adapter/Attenuator

Converts low-Z XLR-type microphone input to bridging 1/4" (6.35mm) line-level input. Allows low-Z XLR-type inputs to be used as line-level inputs (typically from unbalanced keyboards) to eliminate "de-normalizing" of tape signals and excessive patching. 1/4" T/R/S jack input. Male XLR-type output.

Model Number LMX **Suggested Retail \$31.99**



GLX Ground Lifter

Helps to eliminate PA/recording system hum and buzz. Pins 2 and 3 are carried through, Pin 1 is not. Female XLR-type input. Male XLR-type output.

Model Number GLX **Suggested Retail \$28.99**



9144PC Inline Transformer

Converts low-Z microphone to high-Z input for connecting a low-Z microphone to a high-Z PA input. Female XLR-type input. 1/4" (6.35mm) phone plug output. Uses 150Ω/150Ω transformer.

Model Number 9144PC **Suggested Retail \$62.49**



PRX Polarity Reverser

May be used to prevent out-of-phase cancellation and can be used to create special stereo effects. Pins 2 and 3 are cross-wired. Pin 1 is carried through. Female XLR-type input. Male XLR-type output.

Model Number PRX **Suggested Retail \$28.49**



Isolator

An isolation transformer for balanced and unbalanced inputs. Screw-terminal output makes field termination a breeze!

Model Number ISOB **Suggested Retail \$59.99**

Model Number ISOU **Suggested Retail \$59.99**

New



Wiretap

The Wiretap is a male to female inline XLR connector (cigar) that ties pins 1, 2 and 3 on the XLR connector to a 4-terminal Phoenix combo-con connector. This provides technicians an immediate and easy-to-connect-to diagnostic point for use in testing audio systems once they have been installed. This allows any audio tester to be connected into a balanced XLR line without the time consuming mess that always seems to accompany such endeavors. The 4th terminal breaks ground if needed for testing purposes. Solves a multitude of "how to get at the signal" problems.

Model Number WTX **Suggested Retail \$56.49**

Model Number WTBQ **Suggested Retail \$56.49**

Patchbays

Patchbays

Pro Co sells audio patchbays in both 48 point PJ (military style) and TT (tiny telephone or bantam) types. ADC Pro Patch, Neutrik or Re'an patchpanels and many others are available in a number of standard formats.

Pro Co also offers custom wiring of these bays out to punch blocks, Elco multipins, or to whatever configurations are needed for the installation.



Model Number	Suggested Resale
TT1-96T	\$1,220.49
TT1-96H	\$1,339.49
TT1-96N	\$1,458.49
TT1-96TBC	\$1,890.74
TT1-96HS	\$1,506.99
TT1-96NS	\$1,625.99
TT1-96HSBC	\$2,171.49
TT1-96NSBC	\$2,290.49
PJ1-48T	\$797.49
PJ1-48H	\$797.49
PJ1-48N	\$797.49
PJ1-48TBC	\$1,132.49
PJ1-48HS	\$963.99
PJ1-48NS	\$963.99
PJ1-48HSBC	\$1,045.99
PJ1-48NSBC	\$1,298.99
PJ2-48T	\$709.99
PJ2-48H	\$709.99
PJ2-48N	\$709.99
PJ2-48TBC	\$1,044.99
PJ2-48HS	\$876.49
PJ2-48NS	\$876.49
PJ2-48HSBC	\$1,211.49
PJ2-48NSBC	\$1,211.49

Product Code for Patchbays

- TT Bantam Patchbay frame standard 19" rack mount.
- PJ WECO type 1/4" Patchbay frame standard 19" rack mount.
- T Loaded all open circuit non-normalizing 3-conductor jacks.
- H Loaded open circuit 3-conductor jacks top row, closed circuit 3-conductor jacks bottom row, for half normalizing.
- N Loaded all closed circuit 3-conductor jacks for full normalizing.
- 1, 2 etc. Following the TT or PJ code indicates 1 or 2 space panel.
- BC Indicates 8 ft. cabling to blunt cuts (6 ft. of wire after exit from bay).
- S Strapped normals at the bay.
- O Normals brought to the termination point.
- P SIEMON punch blocks for stranded wires, (6) 3-conductor terminators per block.
- 96, 48 - Following TT1, PJ2, etc. indicates the number of jacks loaded into panel. - for half-normalizing, each jack-type is evenly divided.

All standard jackfields are supplied with blank designation strips.

All wired jackfields use Pro Co ACCULINK Multipair cable.

Standard grounding... sleeves jumped on all half-normalled and all normaled pairs.

Custom options are available. Call the factory for details and costs.