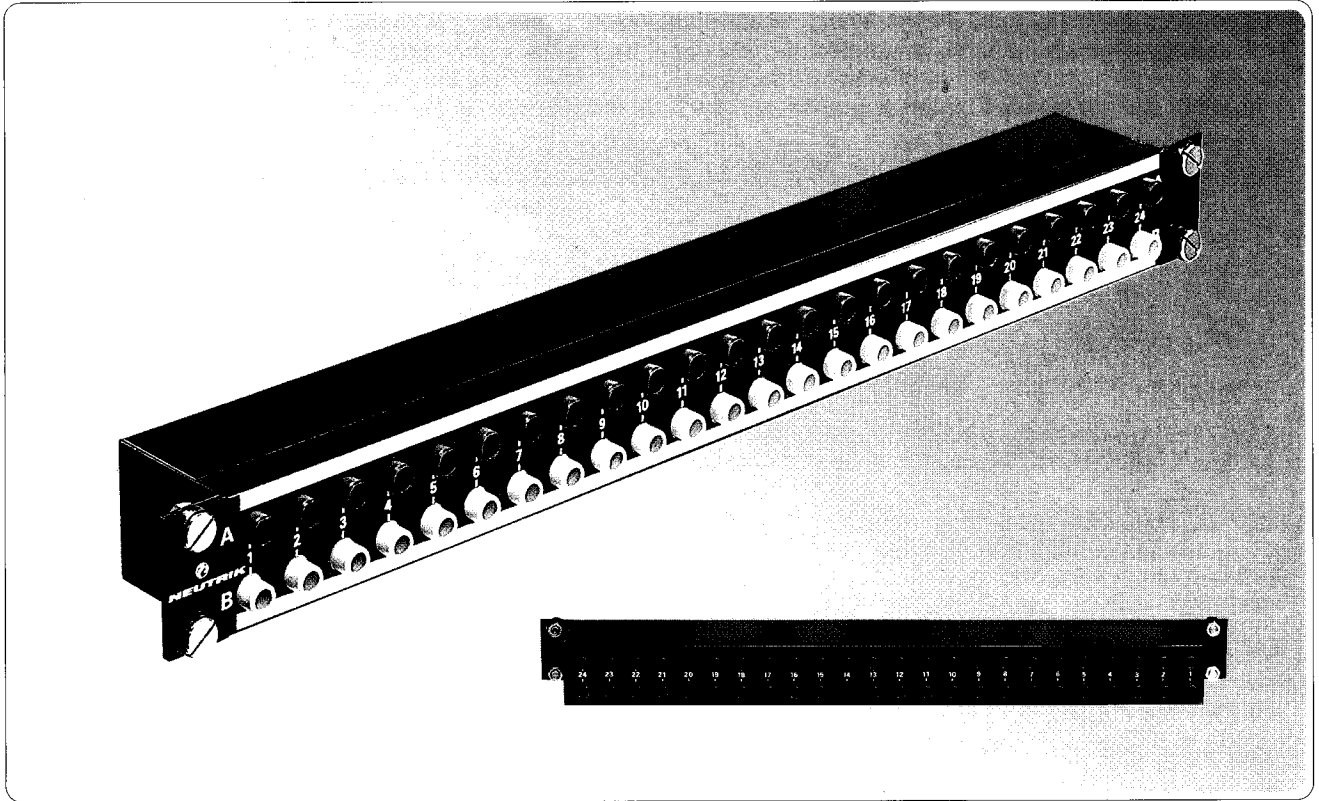


1/4" Patch Panel

The Easy Way to Link Your Audio Systems



- **New, economic, and versatile designed 1/4" modular Patch Panel**
- **48 Balanced channels in one rack space**
- **Front & rear side each with two rows of 24 sockets - 1/4" jacks (acc. to EIA RS-453 standard) mating with stereo phone plugs like NP3C and NYS 228**
- **Fully PCB-wired (24 vertical PC boards) without nut fastening**
- **19" Rack-mount panel**
- **All PCBs securely held in place**
- **Identification strips included for front and rear panel**
- **Non-tarnishing contacts**
- **No-solder set up - individually replaceable PC cards**
- **Half-Normalled and Isolated configurations**



NEUTRIK®

CONNECTING THE WORLD

DESIGN CONSIDERATIONS

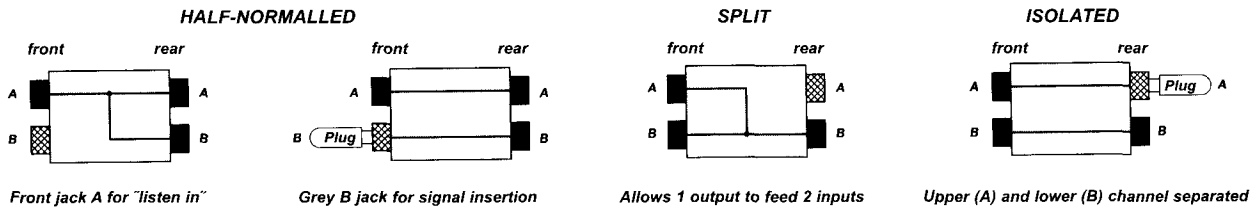
With conventional 1/4" patchbays the individual jacks are fixed to the panels with nuts. Thus two disadvantages occur: flipping of channel PCBs is complicated, PCBs are not well fixed. The NYS-SPP has metal brackets holding the PCBs securely in place and makes turning them quite simple.

The Patch Panel shows 2 rows of sockets ("jacks"), 24 front pairs (top A and bottom B row) and corresponding 24 rear pairs. Principally the corresponding front and rear jacks are connected straight through. The configuration determines the link between bottom and top row.

If the grey jack ("N-jack") is located at the front, the channel is in a Half-Normalled configuration (as seen from the front side). This is how the unit is delivered.

If no plug is inserted into the grey jack, A_{front} is connected to A_{rear} and B_{rear}. With plug inserted into the grey N-jack, the link between A and B jacks is opened and the upper and lower signal paths are isolated against each other. You can now turn each of the 24 channel PCBs separately by 180°. Thus the configuration as seen from the front changes to Split or Isolated depending upon the rear side installation, i.e. N-jack unplugged or plugged.

CONFIGURATION



TECHNICAL DATA

ELECTRICAL

Connector-contact resistance: < 10 mΩ
 Switch-contact resistance: < 10 mΩ
 Insulation resistance: > 2 · 10⁹ Ω @ 500 V dc

Current rating: 1 A
 Dielectric strength: > 1.000 V dc
 Crosstalk between upper and lower channel: > 110 dB @ 1 kHz

MECHANICAL

Jack lifetime: > 10.000 insertion/withdrawal cycles
 Dimensions: 483 mm (W) x 44 mm (H) x 62 mm (D)

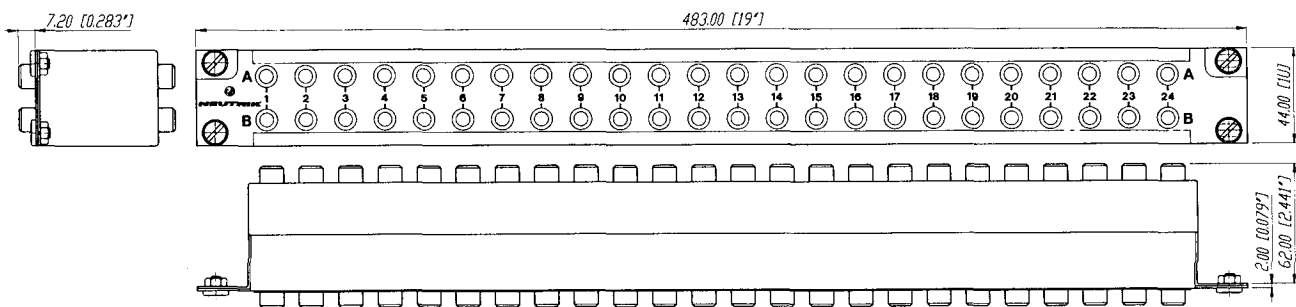
Insertion / withdrawal force: ≤ 20 N / ≥ 10 N
 Rack mount panel: 19" x 1U

MATERIALS

Housing: Steel, black coated
 Connector shell: ABS

Contacts: SnCe plated
 Temperature range: -30°C to +80°C

DIMENSIONAL DRAWINGS



ORDERING INFORMATION

Patch Panel

NYS - SPP

Neutrik AG
 Liechtenstein
 Tel.: 075/237 24 24
 Fax: 075/232 53 93

Neutrik USA INC.
 USA
 Tel.: 908/901 9488
 Fax: 908/901 9608

Neutrik (UK) Ltd.
 Great Britain
 Tel.: 019 83/811 441
 Fax: 019 83/811 439

Neutrik Zürich AG
 Switzerland
 Tel.: 01/734 0400
 Fax: 01/734 3891

Neutrik Ltd. Tokyo
 Japan
 Tel.: 081/3/3663/4733
 Fax: 081/3/3663/4796

Neutrik HGK
 Hong Kong
 Tel.: 0852/2/898/9366
 Fax: 0852/2/898/7603



CONNECTING THE WORLD