Accessories

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NEUTRIK®, crystalCON®, **ether**CON®, **max**CON®, **mini**CON®, **nano**CON®, **neutri**CON®, **optical**CON®, **power**CON®, **Profi®, rear**TWIST®, **silent**PLUG®, **speak**ON®, **DIWA®, XIRIUM®, are registered trademarks of Neutrik AG.**

Introduction

Various connector standards in the professional and semi-professional audio and video world lead to many interconnection challenges.

Neutrik has made it a rule to serve our customers' needs in all its connector offerings and has therefore produced a variety of problem solvers.

With our adapter series we have a solution for the most known interconnection difficulties and in addition we offer modules for the most common connector types to fulfill more specific needs.

Miniature impedance balancing adapters are the answer to the most common noise and grounding problems and for customized designs we recommend our proven audio transformers in combination with our modules.

Neutrik offers a wide range of audio adapters, transformers, AES / EBU adapters and gooseneck products. From problem solvers to connection quick fixes, Neutrik has the most popular audio connectivity solutions. All Neutrik adapters and connectors are soldered with lead free RoHS compliant solder.

XLR connector

RCA phono socket

Jack with locking latch

BNC socket

Circular Adapters

NA2FP

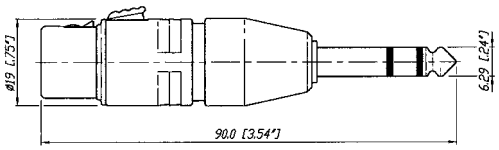
NA2MPMM

NA3MJ

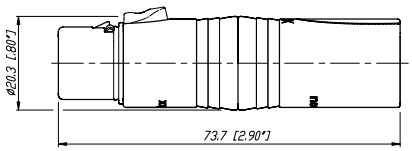
NA4FX-F

- Variety of adapters offered to interface with most connector combinations
- Professional look and compact space saving design
- Rugged diecast shell for best reliability
- Compact design and durability with Neutrik quality

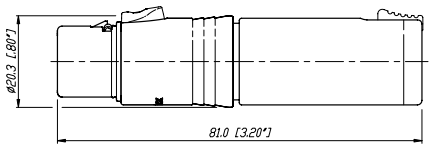
NA3FP



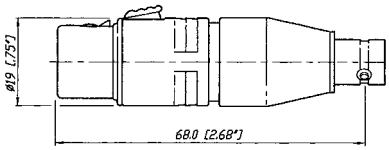
NA3FM



NA3FJ



NA2FBNC



Example drawing. Find more info on www.neutrik.com

Phono socket

speakON NL4MP

3 pole XLR male

Jack with locking latch

D Shape Adapters

NA2BBNC-D9B

NA2M-D2B-TX

NA4MP-J

NA4MP-MX

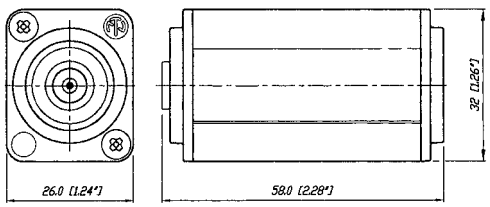
- Problem solvers for various intermating problems for professional and semi-professional applications
- Rugged aluminium extrusion housings for best reliability
- Colour coding on all RCA types

Miniature transformer balancing adapters NA2*-TX

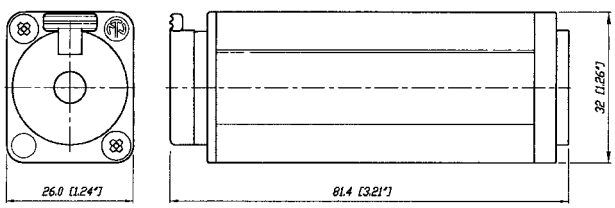
- Audio Transformer 1:1 impedance ratio 200:200
- Low cost solution for unbalanced / balanced line conversion and passive DI applications, where no earth or gain switching is required.
- Source / Load impedance 600 / 10 K
  Max. input level @ 50 Hz at 1% THD: -3 dBu

NA2F-D0B-TX

NA2BBNC-D9B



NA4MP-J



Example drawing. Find more info on www.neutrik.com

Circular Adapters

Part No.	Port 1	Port 2	Comments
NA2FBNC	3 pole XLR female	BNC socket	[1]
NA2FP	3 pole XLR female	TS [2], 1/4" plug	[1]
NA2FPMF	3 pole XLR female	RCA / phono socket	[1]
NA2FPMM	3 pole XLR female	RCA / phono plug	[1]
NA2MBNC	3 pole XLR male	BNC socket	[1]
NA2MP	3 pole XLR male	TS [2], 1/4" plug	[1]
NA2MPMF	3 pole XLR male	RCA / phono socket	[1]
NA2MPMM	3 pole XLR male	RCA / phono plug	[1]
NA3FF	3 pole XLR female	3 pole XLR female	gender conversion adapter
NA3FF-B	3 pole XLR female	3 pole XLR female	gender conversion, black plating
NA3FJ	3 pole XLR female	TRS [2], 1/4" jack	locking jack
NA3FM	3 pole XLR female	3 pole XLR male	extention adapter
NA3FMX	3 pole XLR female	3 pole XLR male	contacts 2 - 3 inverted
NA3FP	3 pole XLR female	TRS [2], 1/4" plug	
NA3JJ	stereo 1/4" jack	TRS [2], 1/4" jack	extension adapter, locking jack
NA3MJ	3 pole XLR male	TRS [2], 1/4" jack	locking jack
NA3MM	3 pole XLR male	3 pole XLR male	gender conversion adapter
NA3MM-B	3 pole XLR male	3 pole XLR male	gender conversion, black plating
NA3MP	3 pole XLR male	TRS [2], 1/4" plug	
NA5FF-B	5 pole XLR female	5 pole XLR female	gender conversion adapter, black plating
NA5MM-B	5 pole XLR male	5 pole XLR male	gender conversion adapter, black plating

D Shape Adapters

NA2BBNC-D4B	BNC socket	RCA / phono socket	colour coded yellow
NA2BBNC-D9B	BNC socket	RCA / phono socket	colour coded white
NA2F-D0B-TX	3 pole XLR female	RCA / phono socket	colour coded black [4]
NA2F-D2B-TX	3 pole XLR female	RCA / phono socket	colour coded red [4]
NA2F-J-TX	3 pole XLR female	1/4" jack	ground lifted [4]
NA2M-D0B-TX	3 pole XLR male	RCA / phono socket	colour coded black [4]
NA2M-D2B-TX	3 pole XLR male	RCA / phono socket	colour coded red [4]
NA2M-J-TX	3 pole XLR male	1/4" jack	ground lifted [4]
NE8FF	etherCON	etherCON	RJ45 coupler
NL4MMX	4 pole speakON	4 pole speakON	lockable coupler
NL8MM	8 pole speakON	8 pole speakON	lockable coupler
NAC3MM-1	3 pole powerCON	3 pole powerCON	lockable coupler
NA4FX-F	speakON NL4FX	3 pole XLR female	speaker adapter [3]
NA4FX-M	speakON NL4FX	3 pole XLR male	speaker adapter [3]
NA4LJX	speakON NL4FX	TS [2], 1/4" jack	speaker adapter [3]
NA4MP-F	speakON NL4MP	3 pole XLR female	speaker adapter [3]
NA4MP-J	speakON NL4MP	TS [2], 1/4" jack	speaker adapter [3]
NA4MP-M	speakON NL4MP	3 pole XLR male	speaker adapter [3]
NA4MP-M-X	speakON NL4MP	speakON NL4MP	speaker adapter 1+ / 1- inverted [3]

[1]: Wired according to IEC 268-12: pin 2 = signal, pin 1 and 3: connected to ground
[2]: TRS-Tip, Ring, Sleeve contact (stereo); TS-Tip, Sleeve contact (mono)
[3]: Detailed wiring info on www.neutrik.com
[4]: Unbalanced / balanced line conversion, 1:1 transformer 200 Ω : 200 Ω

3 pole XLR female receptacle

3 pole cable connector

BNC chassis

AES / EBU Digital Impedance Transformer Adapters

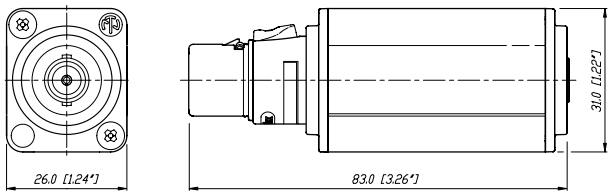
NADITBNC-F

NADITBNC-FX

NADITBNC-MX

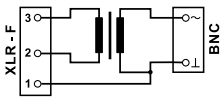
- Cost effective exceptional impedance matching adapters
- Allow long cable runs for digital audio signals via low attenuation coax lines
- Match balanced (110 Ω) to coaxial lines (75 Ω)
- Pre-wired in black anodized aluminum extrusions for increased durability
- AES/EBU adapters available with either 3 pin male or female XLR cable ends or receptacles
- Simple use, passive units

NADITBNC-FX

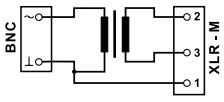


Technical Data

Maximum voltage / Max. power:	5 Vp-p / 250 mW
Frequency band:	0.1 MHz to 6 MHz
Insertion loss:	< 0.3 dB @ 0.1 MHz to 10 MHz
VSWR / Return loss:	< 1.1 / > 26.4 dB



NADITBNC-F



NADITBNC-M

Ordering Information

Part No.	Port 1	Port 2	Comments
	Input	Output	
NADITBNC-F	3 pole XLR female chassis	female BNC chassis	110 Ω XLR input and 75 Ω BNC output
NADITBNC-M	3 pole XLR male chassis	female BNC chassis	75 Ω BNC input and 110 Ω XLR output
NADITBNC-FX	3 pole XLR female cable con.	female BNC chassis	110 Ω XLR input and 75 Ω BNC output
NADITBNC-MX	3 pole XLR male cable con.	female BNC chassis	75 Ω BNC input and 110 Ω XLR output

5 pole male connector

5 pole female connector

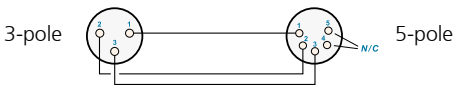
All metal housing

DMX Adapters

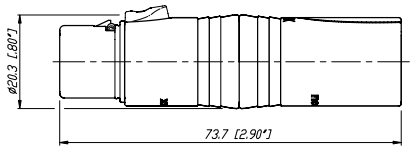
NA3F5M

NA3F5M

- Compact XLR 3 to 5 pole adapters for lighting (DMX) applications
- Solve interconnection problems of the old (3-pole) and new (5 pole) DMX standard
- Enable usage of standard 3 pole microphone cable for DMX applications
- Based on the worldwide accepted standard XLR connectors
- Reliable and rugged diecast shell



NA3F5M



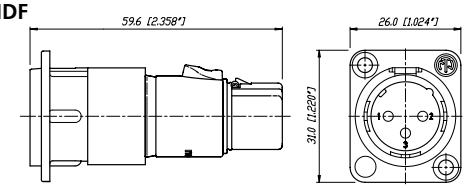
Feedthrough

NA3FDM

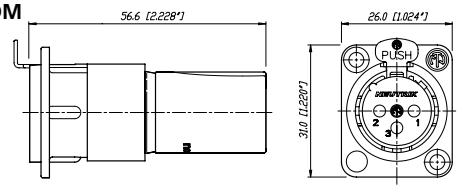
NA3MDF

- 3 pole XLR feedthrough adapter
- D-flange chassis mount
- Male to female and vice versa
- Utilizes XX-components

NA3MDF



NA3FDM



Ordering Information DMX Adapter

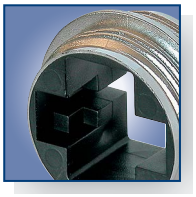
Part No.	Port 1	Port 2	Comments
NA3F5M	3 pole XLR female	5 pole XLR male	for DMX lighting applications
NA3M5F	3 pole XLR male	5 pole XLR female	for DMX lighting applications

Ordering Information Feedthrough

NA3FDM	3 pole XLR female	3 pole XLR male	
NA3MDF	3 pole XLR male	3 pole XLR female	

3 pole plug

SM2/2 switch



VM housing

Modules & Audio Transformers

NM3FXI

NM3P

KMX

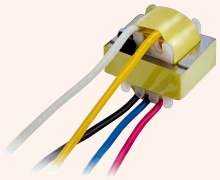
SM2/2

NM3FD-B

- Multifunctional modules allow to design customized adapters to suit specific needs
- Based on the X and D Series connector system
- NTE transformers and switch can be built in
- Professional look, rugged diecast shell

Audio Transformer

- Professional audio transformers for multiple applications, as e.g. microphone or line inputs
- Very low distortion, excellent frequency response
- Cost effective cable version for free wiring
- Fully permalloy-shielded studio versions



NTE10-3

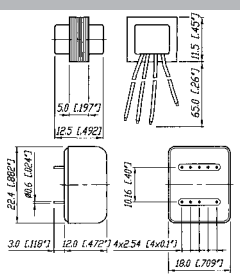
NTL1

Audio Transformer selection Guide

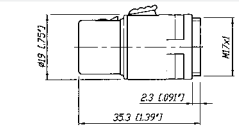
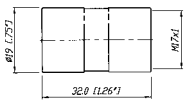
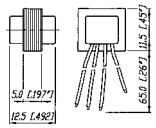
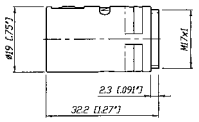
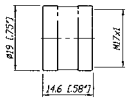
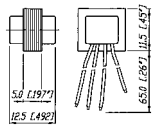
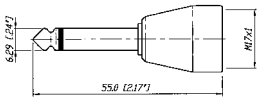
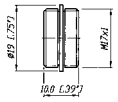
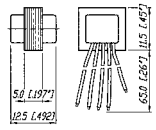
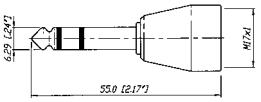
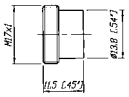
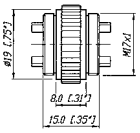
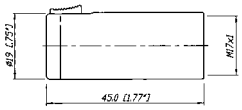
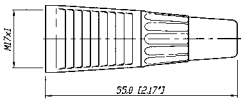
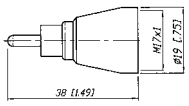
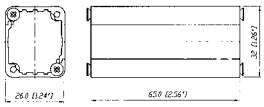
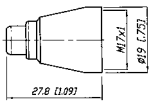
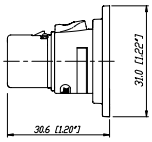
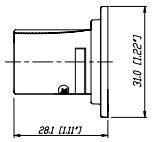
Part No.	Turns Ratio (prim : sec)	Impedance ratio	Source / load impedance in Ω	Max. Input level* @ 50 Hz, 1% THD [dBu]	Applications
NTE1	1 : 1	200 : 200	200 / 2k, (600 / 10k)	-3	General purpose, splitting, XLR inline
NTE4	1 : 4	200 : 3.2k	200 / 10 K	-7	Mic input step-up
NTE10/3	1 : 3	200 : 1.8k	200 / 10 K	-7	General purpose mic input step-up
	1 : 10	200 : 20k	200 / 50 K	-6	
NTL1	1 : 1	10k : 10k	600 / 10k	+19	Line input
NTM1	1 : 1	200 : 200	200 / 2k	+7	Mic input, splitting
NTM4	1 : 4	200 : 3.2k	200 / 10k	+9	Mic input step-up

* : measured with typical source / load impedances

Wiring: NTE*: free wires, NTL / NTM*... PCB mount, shielded; Find detailed specifications on www.neutrik.com

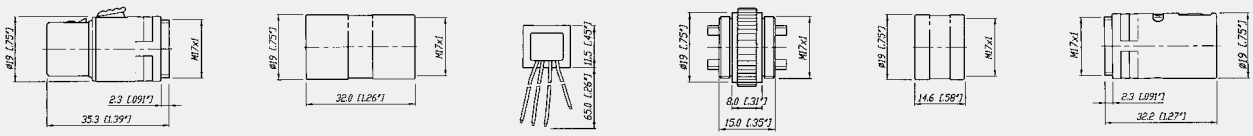


Module Selection Guide

Connector module		Coupler / housing		Transformer / switch	
NM3FXI XLR female M17x1 outside		KM M 17x1 inside		NTE1 1:1	
NM3MXI XLR male M17x1 outside		KMX M 17x1 inside		NTE4 1:4	
NM2P mono 1/4" plug M17x1 inside		VM M 17x1 outside		NTE10/3 1:3:10	
NM3P stereo 1/4" plug M17x1 inside		VMX M 17x1 outside		SM2/2 2x2 switch M17x1 outside	
NM3J stereo 1/4" jack M17x1 inside		CM cable outlet M 17x1 inside			
NMPMM RCA male M17x1 inside		NA-Housing[1] black plated screws included			
NMPMF RCA female M17x1 inside					
NM3FD-B black plated D-Shape					
NM3MD-B black plated D-Shape					

[1] ... Combinations possible with all D Shape connectors like e.g. NC3FD-L-1, NF2D, NBB75DSI, etc.

Example:



NM3FXI KM NTE1 SM2/2 KMX NM3MXI

3 pole XLR with securing ring

Flexible spiral

Integrated cable outlet

Goosenecks

GNS18

GN36

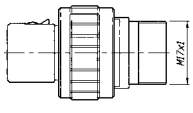
GNS50

- For flexible and secure mounting of microphones, lamps etc.
- Versatile, modular system allows various combinations
- Durable stainless steel spiral, no rust, no noise, non-reflective black finish
- Theft proof microphone connection on GNS version (securing ring and fixing screw)
- Strong, flexible and noiseless goosenecks available in three lengths

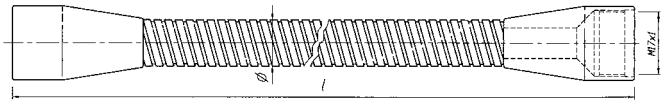
Ordering Information

Part No.	Description	
GN18	M17 x 1 inside thread at both ends	(∅ 12 mm, 230 mm length)
GN36	M17 x 1 inside thread at both ends	(∅ 13 mm, 360 mm length)
GN50	M17 x 1 inside thread at both ends	(∅ 15 mm, 500 mm length)
Gosseneck sets:		
GNS18	Gooseneck set GN18, NC3FX-Spec., cable outlet, NAM5 adapter, M17 x 1 bolt thread	
GNS36	Gooseneck set GN16, NC3FX-Spec., cable outlet, NAM5 adapter, M17 x 1 bolt thread	
GNS50	Gooseneck set GN50, NC3FX-Spec., cable outlet, NAM5 adapter, M17 x 1 bolt thread	
Accessories:		
NAM4	M17 x 1 outside thread, 5/8" 27 UNS inside thread [1)]	
NAM5	3/8" inside thread, 5/8" 27 UNS outside thread [1)]	
GF1	Mounting kit: Flange ∅ 63.5 mm including mounting bolt M17x1, 13 mm length [1)]	
MSG	Mounting bolt M17 x 1, 30 mm length [1)]	
	[1)] : Find detailed specifications on www.neutrik.com	

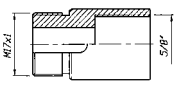
GNS Set consisting of:



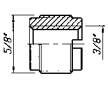
NC3FX-Spec



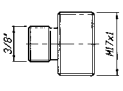
GN



Cable outlet



NAM5



M17x1 bolt

ELIMINATE CABLES KEEP PURE SOUND

XIRIUM PRO

DIGITAL WIRELESS AUDIO SOLUTION

Designed as a cable replacement system, providing audio signals to and from devices without long or complicated cable runs, XIRIUM PRO delivers studio quality audio with extremely low latency. XIRIUM PRO offers audio professionals tremendous versatility, ease of operation, FCC license-free audio that is ideally suited to a myriad of live sound applications. For more information visit **www.xirium.net**

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