



## Accessories

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## 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.

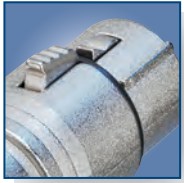
With our adapter series we have a solution for the most known interconnection difficulties and in addition we offer modules for the most common connector types to fulfill more specific needs.

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.



# Adapter



XLR connector



RCA phono socket



Jack with locking latch



BNC socket

## Circular Adapters



NA2FP



NA2MPMM



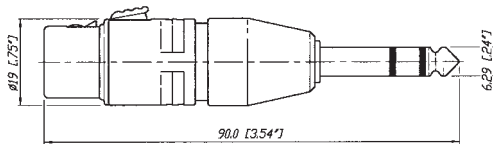
NA3MJ



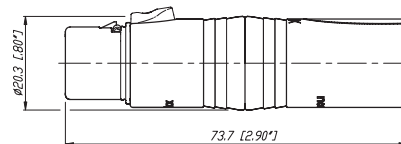
NA4FC-F

- 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

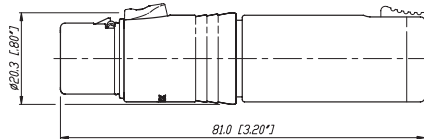
NA3FP



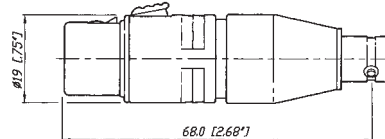
NA3FM



NA3FJ



NA2FBNC



Example drawing. Find more info on [www.neutrik.com](http://www.neutrik.com)



# Adapter



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

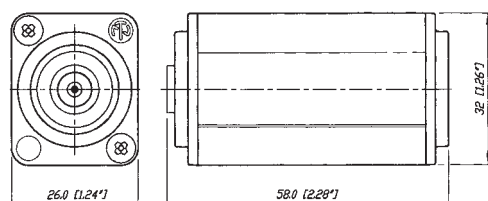
### Miniature transformer balancing adapters NA2\*-TX

- 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 / 10K  
Max. input level @ 50Hz at 1% THD: -3dBu

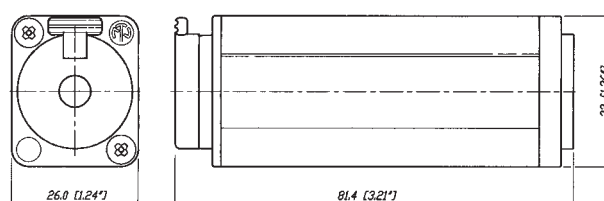


NA2F-D0B-TX

NA2BBNC-D9B



NA4MP-J



Example drawing. Find more info on [www.neutrik.com](http://www.neutrik.com)

## Circular Adapters

Part No.	Port 1	Port 2	Comments
NA2FBNC	3 pole XLR female	BNC socket	<sup>1)</sup>
NA2FP	3 pole XLR female	TS <sup>2)</sup> , 1/4" plug	<sup>1)</sup>
NA2FPMF	3 pole XLR female	RCA / phono socket	<sup>1)</sup>
NA2FPMM	3 pole XLR female	RCA / phono plug	<sup>1)</sup>
NA2MBNC	3 pole XLR male	BNC socket	<sup>1)</sup>
NA2MP	3 pole XLR male	TS <sup>2)</sup> , 1/4" plug	<sup>1)</sup>
NA2MPMF	3 pole XLR male	RCA / phono socket	<sup>1)</sup>
NA2MPMM	3 pole XLR male	RCA / phono plug	<sup>1)</sup>
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 <sup>2)</sup> , 1/4" jack	locking jack
NA3FM	3 pole XLR female	3 pole XLR male	extension adapter
NA3FMX	3 pole XLR female	3 pole XLR male	contacts 2 - 3 inverted
NA3FP	3 pole XLR female	TRS <sup>2)</sup> , 1/4" plug	
NA3JJ	stereo 1/4" jack	TRS <sup>2)</sup> , 1/4" jack	extension adapter, locking jack
NA3MJ	3 pole XLR male	TRS <sup>2)</sup> , 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 <sup>2)</sup> , 1/4" plug	
NA4FC-F	speakON NL4FC	3 pole XLR female	speaker adapter <sup>3)</sup>
NA4FC-M	speakON NL4FC	3 pole XLR male	speaker adapter <sup>3)</sup>
NA4LJX	speakON NL4FX	TS <sup>2)</sup> , 1/4" jack	speaker adapter <sup>3)</sup>
NA4MP-F	speakON NL4MP	3 pole XLR female	speaker adapter <sup>3)</sup>
NA4MP-J	speakON NL4MP	TS <sup>2)</sup> , 1/4" jack	speaker adapter <sup>3)</sup>
NA4MP-M	speakON NL4MP	3 pole XLR male	speaker adapter <sup>3)</sup>
NA4MP-M-X	speakON NL4MP	speakON NL4MP	speaker adapter 1+ / 1- inverted <sup>3)</sup>
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 <sup>4)</sup>
NA2F-D2B-TX	3 pole XLR female	RCA / phono socket	colour coded red <sup>4)</sup>
NA2F-J-TX	3 pole XLR female	1/4" jack	ground lifted <sup>4)</sup>
NA2M-D0B-TX	3 pole XLR male	RCA / phono socket	colour coded black <sup>4)</sup>
NA2M-D2B-TX	3 pole XLR male	RCA / phono socket	colour coded red <sup>4)</sup>
NA2M-J-TX	3 pole XLR male	1/4" jack	ground lifted <sup>4)</sup>
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

<sup>1)</sup>: Wired according to IEC 268-12: pin 2 = signal, pin 1 and 3: connected to ground

<sup>2)</sup>: TRS-Tip, Ring, Sleeve contact (stereo); TS-Tip, Sleeve contact (mono)

<sup>3)</sup>: Detailed wiring info on [www.neutrik.com](http://www.neutrik.com)

<sup>4)</sup>: Unbalanced / balanced line conversion, 1:1 transformer 200 Ω : 200 Ω

# Adapter



3 pole XLR female receptacle



3 pole cable connector



BNC chassis

## AES / EBU Digital Impedance Transformer Adapters



NADITBNC-F



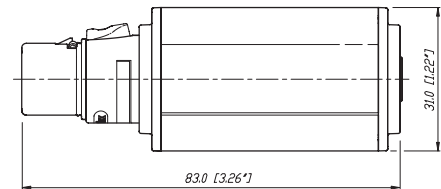
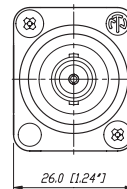
NADITBNC-FX



NADITBNC-MX

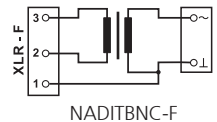
- Cost effective exceptional impedance matching adapters
- Allow long cable runs for digital audio signals via low attenuation coax lines
- Match balanced ( $110\ \Omega$ ) to coaxial lines ( $75\ \Omega$ )
- Pre-wired in black anodized aluminum extrusions for increased durability
- AES/EBU adapters 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 / 250mW
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



### Ordering Information

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

# Adapter



5 pole male connector



5 pole female connector



All metal housing

## DMX Adapters



NA3F5M

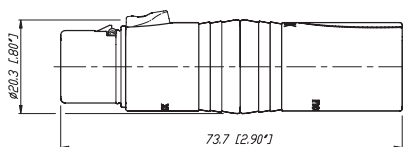


NA3F5M

- 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



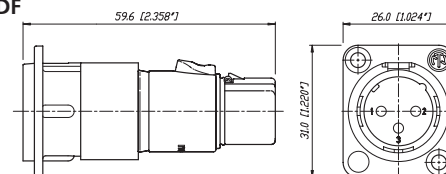
NA3FDM



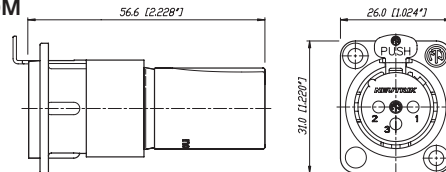
NA3MDF

- 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

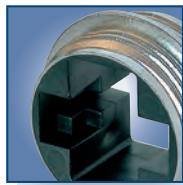
NA3FDM	3 pole XLR female	3 pole XLR male
NA3MDF	3 pole XLR male	3 pole XLR female



3 pole plug



SM2/2 switch



VM housing

## Modules & Audio Transformers



NM3FXI



NM3P



KMX



SM2/2

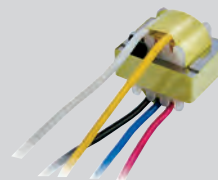


NM3FD-B

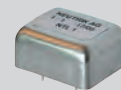
- Multifunctional modules allow to design customized adapters to suit specific needs
- Based on the X and D Series connector system
- NTE transformers and switch can be built in
- Professional look, rugged diecast shell

### 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



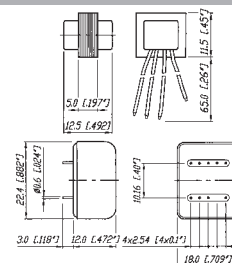
NTL1

## Audio Transformer selection Guide

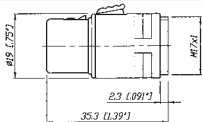

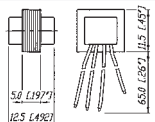

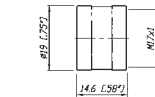
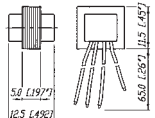
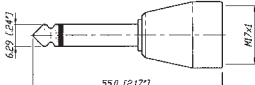
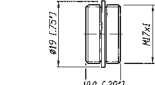
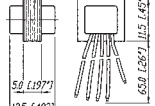
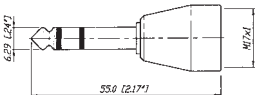
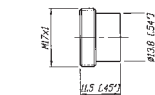
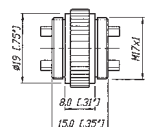
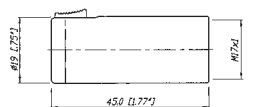
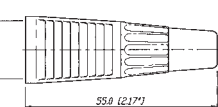
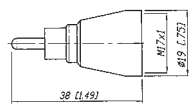
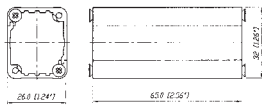
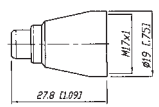
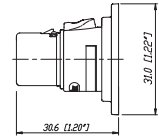

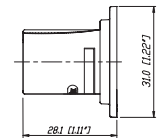
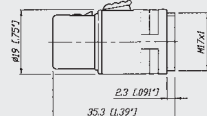
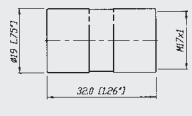
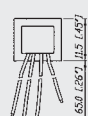
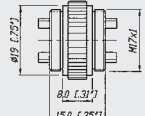
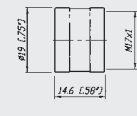

Part No.	Turns Ratio (prim : sec)	Impedance ratio	Source / load impedance in $\Omega$	Max. Input level* @ 50 Hz, 1% THD [dBu]	Applications
NTE1	1 : 1	200 : 200	200 / 2k, (600 / 10k)	-3	General purpose, splitting, XLR inline
NTE4	1 : 4	200 : 3.2k	200 / 10 K	-7	Mic input step-up
NTE10/3	1 : 3	200 : 1.8k	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](http://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 <sup>1)</sup> black plated screws included			
NMPMF RCA female M17x1 inside		<sup>1)</sup> ... Combinations possible with all D Shape connectors like e.g. NC3FD-L-1, NF2D, NBB75DSI, etc.			
NM3FD-B black plated D-Shape		<b>Example:</b> 			
NM3MD-B black plated D-Shape					
NM3FXI		KM		NTE1	
				SM2/2	
				KMX	
				NM3MXI	



3 pole XLR with  
securing ring



Flexible spiral



Integrated cable  
outlet

## Goosenecks



GN518



GN36



GN550

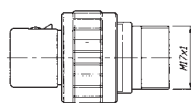
- For flexible and secure mounting of microphones, lamps etc.
- Versatile, modular system allows various combinations
- Durable stainless steel spiral, no rust, no noise, non-reflective black finish
- Theft proof microphone connection on GNS version (securing ring and fixing screw)
- Strong, flexible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

## Ordering Information

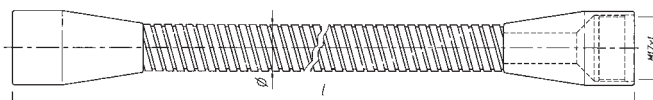
Part No.	Description
GN18	M17x1 inside thread at both ends (Ø 12 mm, 230 mm length)
GN36	M17x1 inside thread at both ends (Ø 13 mm, 360 mm length)
GN50	M17x1 inside thread at both ends (Ø 15 mm, 500 mm length)
Gooseneck sets:	
GNS18	Gooseneck set GN18, NC3FX-Spec., cable outlet, NAM5 adapter, M17x1 bolt thread
GNS36	Gooseneck set GN16, NC3FX-Spec., cable outlet, NAM5 adapter, M17x1 bolt thread
GNS50	Gooseneck set GN50, NC3FX-Spec., cable outlet, NAM5 adapter, M17x1 bolt thread
Accessories:	
NAM4	M17x1 outside thread, 5/8" 27 UNS inside thread <sup>1)</sup>
NAM5	3/8" inside thread, 5/8" 27 UNS outside thread <sup>1)</sup>
GF1	Mounting kit: Flange Ø 63.5 mm including mounting bolt M17x1, 13 mm length <sup>1)</sup>
MSG	Mounting bolt M17x1, 30 mm length <sup>1)</sup>

<sup>1)</sup> : Find detailed specifications on [www.neutrik.com](http://www.neutrik.com)

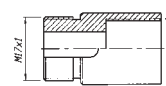
### GNS Set consisting of:



NC3FX-Spec



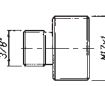
GN



Cable outlet



NAM5



M17x1 bolt



## Production

The professional entertainment industry depends on reliable components - night in, night out. Neutrik® - the world's leading manufacturer of professional connector systems - sets the standards in technical reliability, warranty and durability. Availability of products as well as technical support and excellent service are to be understood as priority objectives. Besides cutting-edge precision, functionality and design make the difference and build the basis for our complex demand for high quality standards.

To realize our innovative product ideas and to meet the requirements of our customers we make use of all possibilities which modern R&D and production technologies can offer. Neutrik has developed and proven its own automated manufacturing methods. The professional mechanics of the automation department work with state-of-the-art technologies like video control systems and robotics.

Together with the systematic quality control the high precision robotic production processes ensures continuous quality and efficient delivery of goods to the right place at the right time.

