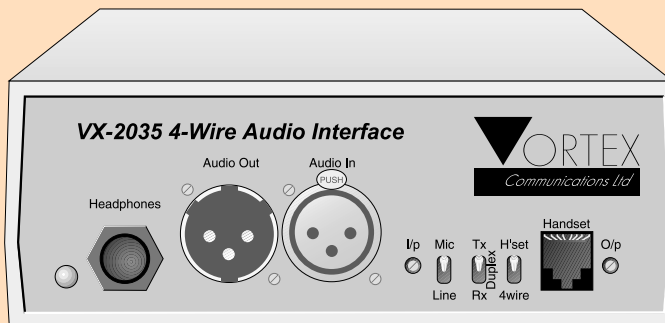


AUDIO

VX-2035 MULTI-PURPOSE BUFFER AMPLIFIER AND 4-WIRE ADAPTER

VX-2035



▼ VX-2035 audio interface

DESCRIPTION

The VX-2035 is a versatile dual-channel buffer amplifier offering a convenient 4-wire interface for telecommunications equipment. It provides a low-cost, portable solution for talkback and other communications using PSTN, ISDN and cellular services, and can also serve as a stand-alone mic, headphone or buffer amplifier with the optional 2035-C4 cable.

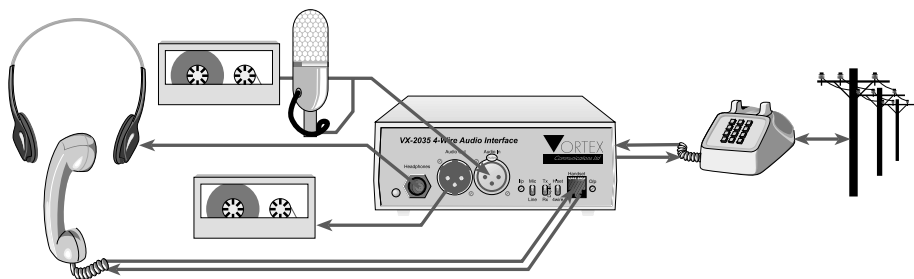
The VX-2035 is battery or mains operated and has switchable phantom-powered mic/line level input plus both balanced line and headphone outputs. Input and output levels are adjustable, and transmission mode can be switched between send, receive and full duplex. The bypass switch allows conventional communication on the telephone's handset connected via the front panel.

Used in conjunction with a standard PSTN or ISDN telephone the VX-2035 offers similar capabilities to a hybrid. By connecting the handset to the telephone via the VX-2035, audio is intercepted and correctly buffered and balanced to provide the send/receive connection.

Interface to portable telephones is achieved by connecting the VX-2035 via the cellphone's hands-free car kit using a special cable. This allows integration of conventional studio equipment to provide audio backup and talkback without the need for either telephone line or mains power.

Special versions can be built to order, including multi-channel rackmounted arrangements.

VX-2035 BUFFER AMPLIFIER AND 4-WIRE ADAPTER



SPECIFICATIONS

AUDIO	
Audio input	3-pin XLR female, high-Z (2.4k Ω)
Input level	Mic/line switchable
Mic input range	-20dBu to -60dBu front-panel adjustable
Line input range	0dBu to -20dBu front-panel adjustable
Mic phantom power	Internal jumper-configurable for electret mic
Audio output	3-pin XLR male, low-Z (<45 Ω)
Headphone listen output	1/4" jack socket
Audio output level	0dBu front-panel adjustable \pm 10dB
Mode selection	Duplex, send only, receive only, by front panel switch
Output balance	>35dB (IEC 268-3/23.2.2.2)
THD & noise	<0.05% (@ +16dB vdd/vss @ 9V)
Noise	-84dBq (CCIR 468-2 weighted, 0dB gain)
Crosstalk	>70dB (@ 15kHz)

TELEPHONY	
Handset connector	RJ-11 on front panel
Handset selector	Front panel handset/4-wire switch
Telephone connector	RJ-45/RJ-11 rear panel, audio to/from phone plus direct interface to ISDN Connect (Blue Phone)
Ancillary power output	Selectable \pm 9V on RJ-45 telephone connector

PHYSICAL	
Internal battery power	2x 9V PP3 (alkaline)
Approximate life	48 hours continuous (powering VX-2035 only)
External DC power input	\pm 9 to \pm 12V DC 5-pin DIN female
Power source selection	Rear panel switch, bat/off/ext
Size	59 x 155 x 91mm (HxWxD)
Weight	370g approx (without batteries)

OPTIONS	
2035-PSU	Mains PSU
2035-50V	50V phantom power for microphones
2035-C1	VX-2035 to telephone handset socket cable
2035-C2	Power/audio cable for Blue Phone
2035-C3	Cellphone car kit interface cable
2035-C4	Loops VX-2035 for stand-alone use

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SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE
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