



PULSEAUDIO™

MIXING MICROPHONE
AND ANALOG AUDIO

EXTENDER



PART NUMBER PA-EXMIX

vanco1.com | 800.626.6445

DEAR CUSTOMER

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

THIS PRODUCT IS 100% INSPECTED AND TESTED IN THE UNITED STATES TO VERIFY PERFORMANCE PARAMETERS.

WARNING

1. Do not install or place this unit in a built-in cabinet, or other confined space without adequate ventilation.
2. To prevent risk of electrical shock or fire hazard, due to overheating do not obstruct unit's ventilation openings.
3. Do not install near any source of heat, including other units that may produce heat.
4. Do not place unit near flames.
5. Only clean unit with a dry cloth.
6. Unplug unit during lightning storms or when not used for an extended period of time.
7. Protect the power cord from being walked on or pinched, particularly at the plugs.
8. Use unit only with accessories specified by the manufacturer.
9. Refer all servicing to qualified personnel.

◦ FEATURES

The PulseAudio PA-EXMIX Microphone Mixing Extender over single Cat5e/6 extends analog audio signals up to 300m/984ft . Mixing is done with an easy to use dial on the transmitting unit that is able to mix audio between the XLR and stereo AUX inputs. The PA-EXMIX also utilizes PoC (power over cable) technology so that the transmitter can be powered from the receiver with a single power supply allowing for flexibility. Have more than 2 sources needing to be mixed? No problem as an additional PA-TXMIX (sold separately) can be used and cascaded over a single Cat5e/6 for even larger solutions!

The PA-EXMIX includes two units: transmitting unit (PA-TXMIX) and receiving unit (PA-RXMIX). The transmitting unit is used to capture the audio input(s) and carries the signals over a single Cat5e/6 cable. The receiving unit is responsible for converting the audio signals over the Cat5e/6 cable to a balanced XLR and 3.5mm stereo audio outputs.

DIGITAL/ANALOG AUDIO EXTENDER

Part # PA-EXMIX

- Extends balanced XLR and 3.5 mm stereo audio over a single Cat5e/6 up to 300m/984 ft
- Features Power over Cable (PoC), allowing the extender set to be powered with a single power supply, powered on the receiver end
- Mixing built in with an easy to use dial to mix between the XLR and stereo AUX inputs
- Mic input (XLR) and AUX input with balanced level control
- Supports two types of microphones, Dynamic and Condenser
- 12V Phantom power option
- Ability to cascade with connections for additional PA-TXMIX transmitters (sold separately) to add additional sources
- Dimensions: TX: 5" x 2.9" x 1.6" (126mm x 73mm x 41mm); RX: 3.4" x 2.9" x 1.6" (86mm x 73mm x 41mm)

◦ PACKAGE CONTENTS

- PA-EXMIX Extender set
- 12V Power Supply
- Mounting screws
- Product Manual

○ PANEL DESCRIPTIONS

TRANSMITTER



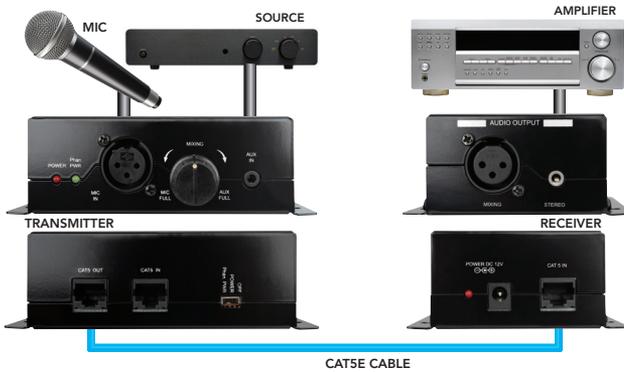
1. Power LED: Illuminates when there is power connected on the receiver unit
2. Phantom Power LED: Indicates if Phantom Power is on
3. MIC IN: Balanced XLR microphone input
4. Mixing Dial: Mixes audio from MIC IN and AUX IN inputs. All the way left is 100% MIC/XLR, 100% to the right is 100% AUX IN, in the middle is 50/50 mix of MIC/XLR and AUX IN audio
5. AUX IN: 3.5mm stereo audio input
6. CAT5 Out: Connect a single Cat5e/6 cable from the transmitting unit to the receiving unit, or to an additional PA-TXMIX transmitter (sold separately)
7. CAT5 In: Connects from an additional PA-TXMIX transmitter (sold separately) to cascade for connecting additional sources
8. Power Switch:
 - a. OFF turns off power and function to the unit
 - b. POWER turns power on
 - c. Phan. PWR enables Phantom Power for the XLR port

RECEIVER



1. XLR Output: Balanced audio output
2. 3.5mm Stereo Audio Output: Unbalanced audio output
3. Power LED: Illuminates when unit is powered on
4. Power Port: Connect provided power supply
5. CAT5 IN: Connect a single Cat5e/6 cable from the transmitting unit to the receiving unit

○ CONNECT AND OPERATE



1. Connect audio source(s) to each transmitter via XLR and/or 3.5mm stereo cable to the appropriate connections
2. Connect the XLR and/or 3.5mm audio outputs from the receiver to an amplifier or active speaker
3. Connect a single Ca5e/6 cable from to the CAT5 OUT port of the transmitter to the CAT5 IN port of the receiver
4. Connect power to the receiver
5. Adjust the mixing dial according and test

○ CASCADING



To add additional sources, the PA-EXMIX allows for cascading additional PA-TXMIX Transmitters (sold separately). See below for connecting an additional Transmitter:

1. Connect audio source(s) to each transmitter via XLR and/or 3.5mm stereo cable to the appropriate connections
2. Connect the XLR and/or 3.5mm audio outputs from the receiver to an amplifier or active speaker
3. Connect a single Cat5e/6 cable from the CAT5 OUT port of the first transmitter to the CAT5 IN of the second transmitter
4. Connect a single Ca5e/6 cable from to the CAT5 OUT port of the second transmitter, to the CAT5 IN port of the receiver
5. Connect power to the receiver
6. Adjust the mixing dial according and test

○ SPECIFICATIONS

Audio Inputs (TX)	Balanced XLR, 3.5mm Stereo Jack
Audio Outputs (RX).....	Balanced XLR, 3.5mm Stereo Jack
Distance	Up to 984ft/300m over single Cat5e/6
Input Impedance	600 Ohms
Mic Gain	+40dB
Low Cut.....	-3dB @100Hz
Current Draw	70mA
Power Supply	+12VDC
Phantom Power	12V
Dimensions.....	TX: 5" x 2.9" x 1.6" (126mm x 73mm x 41mm); RX: 3.4" x 2.9" x 1.6" (86mm x 73mm x 41mm)
Weight.....	TX: 0.65lbs (0.295kg); RX: 0.44lbs (0.2kg)

○ SAFETY AND NOTICE

The PA-EXMIX has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment, the PA-EXMIX should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near water.
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit.
- Always unplug the power to the device before cleaning

◦ TECHNICAL SUPPORT

In case of problems, please contact Vanco Technical Support by dialing 1-800-626-6445. You can also email technical support issues to techsupport@vanco1.com. When calling, please have the Model Number, Serial Number (affixed to the bottom of the unit) and Invoice available for reference during the call. Please read this Instruction Manual prior to calling or installing this unit, since it will familiarize you with the capabilities of this product and its proper installation. All active electronic products are 100% inspected and tested to insure highest product quality and trouble-free installation and operation. The testing process utilizes the types of high-definition sources and displays typically installed for entertainment and home theatre applications. For additional information please visit www.vanco1.com.

◦ LIABILITY STATEMENT

Every effort has been made to ensure that this product is free of defects. The manufacturer of this product cannot be held liable for the use of this hardware or any direct or indirect consequential damages arising from its use. It is the responsibility of the user and installer of the hardware to check that it is suitable for their requirements and that it is installed correctly. All rights are reserved. No parts of this manual may be reproduced or transmitted by any form or means electronic or mechanical, including photocopying, recording or by any information storage or retrieval system without the written consent of the publisher. Manufacturer reserves the right to revise any of its hardware and software following its policy to modify and/or improve its products where necessary or desirable. This statement does not affect the legal rights of the user in any way.

◦ LIMITED WARRANTY

With the exceptions noted in the next paragraph, Vanco warrants to the original purchaser that the equipment it manufactures or sells will be free from defects in materials and workmanship for a period of two years from the date of purchase. Should this product, in Vanco's opinion, prove defective within this warranty period, Vanco, at its option, will repair or replace this product without charge. Any defective parts replaced become the property of Vanco. This warranty does not apply to those products which have been damaged due to accident, unauthorized alterations, improper repair, modifications, inadequate maintenance and care, or use in any manner for which the product was not originally intended. Items integrated into Vanco products that are made by other manufacturers, notably computer hard drives and liquid crystal display panels, are limited to the term of the warranty offered by the respective manufacturers. Such specific warranties are available upon request to Vanco. A surge protector, power conditioner unit, or an uninterruptible power supply must be installed in the electrical circuit to protect against power surges. If repairs are needed during the warranty period the purchaser will be required to provide a sales receipt/sales invoice or other acceptable proof of purchase to the seller of this equipment. The seller will then contact Vanco regarding warranty repair or replacement.

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