PULSEAUDIO™

TRANSMITTER/
RECEIVER
WITH **BLUETOOTH**® 4.1 WIRELESS TECHNOLOGY

PART NUMBER PABT410

DESIGNED TO ADD BLUETOOTH® FUNCTIONALITY TO AUDIO DEVICES

pulseaudio1.com | 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.

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○ FEATURES

The Pulse Audio PABT410 Bluetooth 4.1 Transmitter & Receiver, is designed for audio components that do not feature Bluetooth functionality. This unit can be used as a Transmitter to send audio via Bluetooth, or as a Receiver to accept Bluetooth signals. The PABT410 includes both analog and digital connections with 3.5mm and SPDIF connections for inputs and outputs. Also features an auto search for components to connect to. The integrated fast charging battery within the PABT410 even allows for use without a power supply being connected, great for mobile use. The PABT410 transmitter/receiver is a great solution to bring Bluetooth 4.1 connectivity to any audio product!
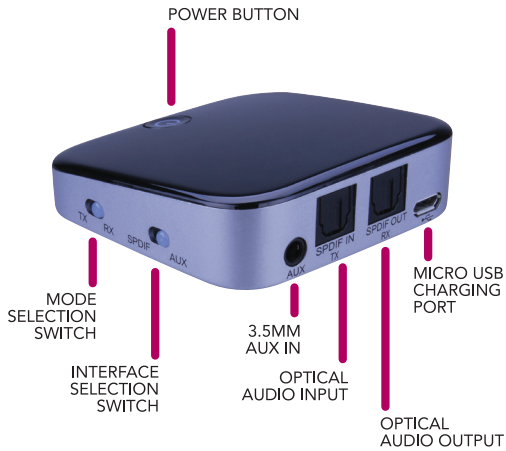
TRANSMITTER/RECEIVER WITH BLUETOOTH® 4.1 WIRELESS TECHNOLOGY Part # PABT410

- Bluetooth 4.1 with A2DP, AVRCP, and apt-X compatibility
- Designed to add Bluetooth functionality to audio devices
- Allows non-Bluetooth-enabled systems and products to seamlessly pair with Bluetooth-enabled devices
- Automatically searches for devices for connectivity
- Transmits and receives analog and digital, wired or wireless audio
- No APP or driver needed
- Noise reduction and echo cancellation
- Multi-band equalizer configuration
- Supports voice prompts
- Supports Dual-Stream (TX) and Dual Connection (RX) modes to support multiple connections simultaneously
- Integrated Li-Type battery charger and supports 350 mA fast charge
- Over-discharge/charge protection
- Automatic Connection Memory of multiple devices for faster and easier Bluetooth connections
- Power Supply: 5VDC 300mA
- Dimensions: 60mm x 60mm x 18.4mm

○ PACKAGE CONTENTS

- Transmitter/Receiver with Bluetooth Wireless Technology
- Digital optical cable for SPDIF connection
- 3.5mm audio cable
- RCA to 3.5mm audio cable
- USB charging cable
- Product Manual

○ PANEL DESCRIPTIONS

POWER BUTTON

MODE SELECTION SWITCH

INTERFACE SELECTION SWITCH

3.5MM AUX IN

OPTICAL AUDIO INPUT

MICRO USB CHARGING PORT

OPTICAL AUDIO OUTPUT

○ LED DESCRIPTIONS

Status of Device ....LED Status

Charging ....Solid Red

Fully Charged ....No status light (red status light will turn off)

Low Battery...Red flashing

Power On..Blue flashes twice

Pairing Mode..Blue and Red flashes rapidly

Connected to Bluetooth device ....Solid Blue

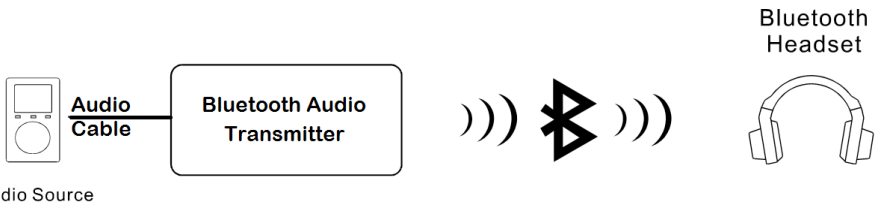Unconnected Standby Mode.......................Blue flashes every 3 seconds

○ CONNECT AND OPERATE

RECEIVING MODE: Using the PABT410 as a receiver to accept audio signals from a Bluetooth audio source.

Bluetooth Audio Receiver

Audio Cable

AMPLIFIER

Audio Source

1. Power on the device

    - Connect included USB charging cable and plug into a power source

    - Can also be powered by battery for mobile use, ensure there is enough charge for desired run time

2. Set toggle switch to "RX" for receiving mode

3. Set toggle switch to "SPDIF" for digital audio output; or "AUX" for analog audio output

    - Connect either included audio cable (SPDIF or AUX) to an audio device for playback

4. BLUETOOTH PAIRING (PABT410 pairing name is BTI-029)

    - Click the Power button twice to enter paring mode

    - Status light will blink BLUE and RED rapidly

    - On the Bluetooth audio source (transmitter), go into pairing mode as well, and find "BTI-029" to pair with

    - If paring is successful, the PABT410 will display a solid BLUE status light

5. Setup is now complete, play audio from the source to ensure there is audio output

Note that the unit will shut down automatically after 5 minutes if no Bluetooth source is paired.

TRANSMITTING MODE: Using the PABT410 as a transmitter to send audio signals to a Bluetooth audio device for playback.

1. Power on the device

    - Connect included USB charging cable and plug into a power source

    - Can also be powered by battery for mobile use, ensure there is enough charge for desired run time

2. Set toggle switch to "TX" for transmitting mode

3. Set toggle switch to "SPDIF" for digital audio input; or "AUX" for analog audio input

    - Connect either included audio cable (SPDIF or AUX) to an audio source

4. BLUETOOTH PAIRING (PABT410 pairing name is BTI-029)

    - Some audio devices for playback do not have an interface to pair with a source, such as a Bluetooth headset, see below on how to pair with the PABT410

    - Ensure the Bluetooth audio device for playback is on and is in pairing mode

    - Click the Power button twice to enter paring mode

    - Status light will blink BLUE and RED rapidly

    - Place the PABT410 close to the Bluetooth audio playback device

    - The PABT410 will automatically attempt to connect

    - If the pairing is successful, the PABT410 will display a solid BLUE status light

5. Setup is now complete, play audio from the source to ensure there is audio output

NOTE: If there is a required passcode, try the following codes: "0000," "1234," "1111," "8888"

○ BATTERY

Ensure battery is fully charged before use; low battery will be indicated by red flashing on the LED indicator

1. Insert micro USB plug into the device, plug into power source
2. Unit will display solid Red for charging status, once fully charged, no status light will display

Note: PABT410 requires a 2 hour charge time from low battery to fully charged.

○ SPECIFICATIONS

Bluetooth Version ....Bluetooth 4.1

Supported protocols ....A2DP, AVRCP

Codec Support...TX: apt-X Low Latency, apt-X,SBC, Faststream; RX: AAC SBC

Operation Frequency 2.402GHz-2.480GHz

Built-in battery...350mAh rechargeable lithium battery

Charging current and time...........................2 Hours, 300mA

Battery run-time (continuous).....................12-15 hours

Inputs/Outputs ....Micro USB (for charging); 3.5mm stereo jack input and output; SPDIF connection input and output

Power Supply ....100-240V AC Adapter 5VDC,≥300mA

○ SAFETY AND NOTICE

The PABT410 has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment, the PABT410 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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