



QDP-1

Active Directional
Paddle Antenna

Instruction Manual



INTRODUCTION

Thank you for purchasing this Q-Audio product, we are sure that it will serve you well for many years to come.

To optimise the performance of this product, please read these operating instructions carefully to familiarise yourself with the basic operations of this unit. Please retain them for future reference.

This unit has been tested at the factory before being shipped to you.

To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture. To prevent a fire hazard, do not expose the unit to any naked flame sources. Unplug this apparatus during lightning storms or if it is unlikely to be used for long periods of time.

The Q-Audio QDP-1 is a wideband active UHF antenna designed for use with the QAD-4 antenna distribution unit and compatible Q-Audio wireless receivers. It features a 5/8" female thread for mounting on standard microphone stands, allowing flexible positioning for optimal signal reception. Built-in amplification helps maintain RF signal strength over long cable runs, ensuring reliable performance in professional audio environments.

The Q-Audio QDP-1 is a directional antenna optimised for the frequency range between 400MHz-1000MHz. It provides a 4~6dBi signal gain thanks to a 15dB high gain booster.

Power for the antenna is required, power is provided to the antenna by the BNC connector from compatible Q-Audio wireless receivers and the Q-Audio QAD-4 antenna distribution unit.

This product is ideal for both indoor and temporary outdoor usage.

Unpacking and safety

Please unpack your new product carefully. Your new product should reach you in perfect condition. Please check that no damage has occurred during transit. If any damage is found, do not operate your unit. Please contact the retailer you purchased it from immediately.

Manufacturer declarations

In compliance with the following requirements: RoHS Directive (2002/95/EU) and WEEE Directive (2002/96/EU), and Battery Directive (2006/66/EU). If this product is ever no longer functional please take it to a recycling plant for environmentally friendly disposal. Any supplied batteries can also be recycled.

CE declaration of conformity

R&TTE Directive (1999/5/EU), EMC Directive (2004/108/EU), Low Voltage Directive (2006/95/EU).

The declarations are available on application from info@q-audio.co.uk

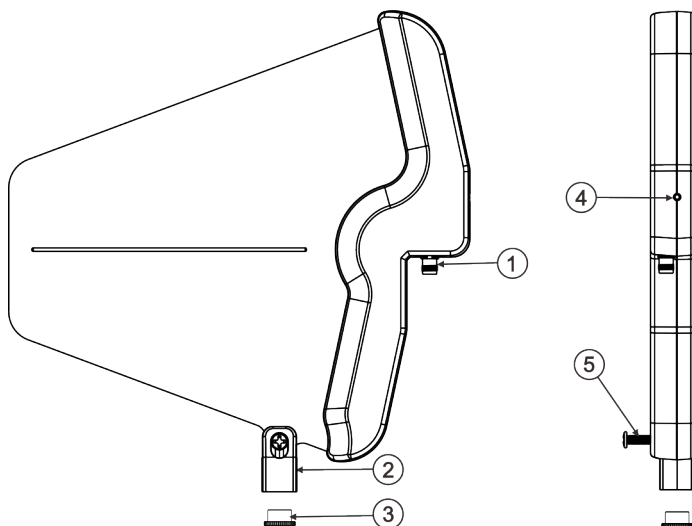
Before putting device into operation, please observe the respective country-specific regulations.



Made in China

Due to continuous product development, specifications and appearance
are subject to change.
E & O E.

PART NAMES & FUNCTIONS



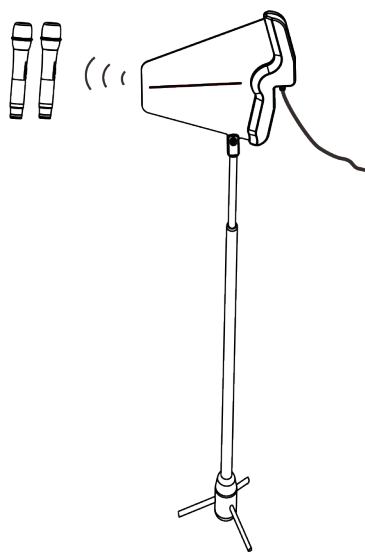
- 1) BNC Output Connector
- 2) Mounting Base
- 3) Thread Adapter
- 4) LED Power Indicator
- 5) Securing Screw

SETUP INSTRUCTIONS

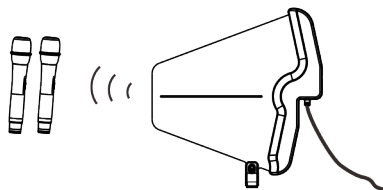
1) Mount the antenna to a stand using the threaded mounting base (2) and tighten using the securing screw (5). You may need to use the thread adapter (3) to reduce the size of the thread to be compatible with your stand. The mounting base is designed to accommodate a standard microphone thread of 5/8ths but can be reduced to 3/8ths using the thread adapter.

2) Connect the antenna output (1) to your antenna input on your compatible receiver or antenna distribution unit using a 50 Ohm BNC cable, ideally between 5m and 20m in length.

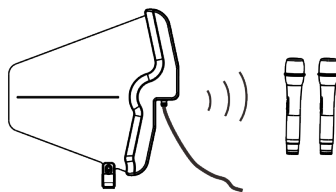
3) Adjust the antenna's angle towards your transmitters to achieve maximum signal and performance. The antenna is designed in an arrow type shape to help users know which way to position their antenna. The smaller end of the antenna fin (opposite the BNC output connector) should be closest to your transmitters and pointing towards them.



QDP-1 Mounted correctly on a microphone stand



QDP-1 correctly positioned (facing towards transmitters)



QDP-1 incorrectly positioned (facing away from transmitters)

PLEASE NOTE:

- Ensure you are using good quality BNC cables to avoid signal loss. Q-Audio offers a range of various length BNC cables that are purposely designed to work perfectly with the QDP-1 antenna.
- Ensure that the centre pin of the BNC connector is not touching the outside metal casing of the connector to avoid short circuiting and damage to equipment.
- BNC cables should not be shorter than 5m and not longer than 20m for optimum operation.
- The QDP-1 is for receiving use only and not for transmission, it can only be used to receive signals from wireless microphones, not for transmitting (I.E. for IEM usage).

SPECIFICATIONS

Bandwidth: 400 - 1000MHz

Antenna Gain: 4 - 6 dBi

Amplifier Gain: 15db (± 1 dB)

VSWR (Voltage Standing Wave Ratio): 2:1

Beam Width: 3dB, 75° vertical polarization plane and horizontal polarization

Power Consumption: 200mw

Voltage Bias: 8 - 12v DC

Output Connector: BNC

Box Contents

1x QDP-1 Antenna

1x Thread Adapter

1x User Manual

www.q-audio.co.uk