

MICRON

by Audio Engineering



The MICRON PQH portable quad housing is an all-metal compact housing for a full, 4-channel diversity receiver system. It can be easily incorporated into mobile sound kits.

Designed specifically to house four MICRON SDR Small Diversity Receivers, two NP-1 batteries and an ADM antenna distribution amplifier, the complete system is self-contained.

RF input, audio output and DC input connectors are located in the rear panel. Antenna signals are fed into the ADM module, which is bandpass filtered and amplified to compensate splitter losses. The ADM distributes both the RF signal and DC supply to the 'A' and 'B' sides of the four receivers.

The internal battery is a rechargeable, NP-1 pack. Alternatively, the PQH may be powered from an external, 10 -18V DC supply via a DC socket on the rear panel.

The PQH has space to hold a spare NP-1 battery as well as the four transmitters when not in use. With its detachable lid fitted, the PQH becomes a transit case for the complete kit of four wireless microphones.

PQH

- ☞ **A fully portable, 4-channel radio microphone system**
- ☞ **Ideal for location use**
- ☞ **Bandpass filtered amplifier with RF distribution**
- ☞ **Optional Mast-Head Amplifier powering**
- ☞ **Custom made, heavy duty throw around metal housing**
- ☞ **External or internal powering**
- ☞ **Standard BNC RF input connectors**
- ☞ **Standard XLR audio output connectors**
- ☞ **Standard 4-pin Hirose DC input connector**
- ☞ **Additional DC output connector on ADM**
- ☞ **LED Battery status indicator**

TECHNICAL SPECIFICATION

RF DISTRIBUTION AMPLIFIER

Centre frequency	ADM214Q-1 470 - 865MHz (to order)
Input impedance	50Ω
Output impedance	50Ω
Gain (each output)	Unity (nom)
Bandwidth	32 MHz (nom)
Out of band rejection	>20dB/10MHz
3rd order intercept at input	>20dBm
Port to port isolation	>25dB
Noise	<3dB

POWERING

Internal	NP-1 Battery Block
External	10 - 18V dc.
Current consumption	500 ±50mA (complete system)
Power switch	Front panel ON/OFF

CONNECTIONS

RF input	2 x 50Ω BNC sockets
RF outputs (x4)	Flying lead to SMA plug
DC input	4-pin Hirose
DC output	4-pin Hirose (ADM214Q)
Input voltage range	10 - 18V dc

OUTER CASE

Dimensions (lid on)	283 x 174 x 216mm
(lid off)	283 x 174 x 155mm
Weight (full in transit)	5Kg