

• **2.4GHz System BT: 2.4GHz Wireless Beltpack & Tie-clip Microphone System**

The 2.4GHz System BT is a 2.4GHz Wireless Beltpack and Tie-clip Microphone System by Chiayo which contains the DWR2420 Receiver, DB2400 Beltpack & the MC-15 Lavalier Tie-clip Microphone Transmitter.

The new 2.4GHz Digital Wireless Microphone system from Chiayo provides a number of key advantages over the traditional UHF and VHF systems.

Working on the 2.4GHz/Bluetooth band the system can be operated completely licence free, ideal for applications across a wide range of the Education, Ecclesiastical and Corporate markets.

Up to 190 separate channels are available and up to 20 units may be used simultaneously, ideal for applications which require multiple wireless systems to operate at the same time.

Its combination of narrow bandwidth and uncompressed audio provide very high quality sound reproduction and its fast switch on time is also ideal for live audio events.

Equally at home working either Indoors or Outdoors the system can transmit over a distance of up to 100m in the correct environment and conditions.

The unique DWR2420 Receiver has the ability to operate in a number of modes, in the single channel mode (true diversity) the receiver works with a single microphone/transmitter, however in dual channel mode the diversity receivers are split and operate as two independent receivers (non diversity) allowing two microphones/transmitters to work with the receiver simultaneously. Ideal especially when there is a requirement to add extra microphones to a system.

Options of Handheld DH2400 and Beltpack DB2400 Transmitters are available, as are 19" Rack Kits MP90 and MP92 and HC-92 Drop In Charger for use with rechargeable batteries (not supplied).

Features:

- Uncompressed audio signal with proprietary encryption transmits high-fidelity sound quality
- Automatic data correlation for high stability and noise immunity
- Latency of 0.004s and quick reboot time of 0.2s
- The narrow band design provides up to 82 selectable frequencies (expandable to 190 frequencies), most utility on market
- Automatic frequency scanning with adjustable RSSI level
- 100 meters outdoors operation distance in true diversity mode
- License-free 2.4GHz band, no registration costs



Specifications:

Model:	2.4GHz System Spec
Frequency range	2400~2483.5MHz
Modulation	MSK
Preset frequencies	82 (max 190)
Dynamic range	> 100dB(A)
T.H.D.	< 0.5%
S/N ratio	≥ 95dB(A)
Audio sampling	Equivalent to 48k/24bit
Latency	0.004s
Audio codec	proprietary codec
Frequency response	30~20000Hz
Operating distance	100m