

Professional Infrared Wireless Microphone System

3D Emitter Array Distribution

- Extended coverage with enhanced remote sensors
- Integrated wide-angled IR receiving sensor array
- High sensitivity
- With 3 input ports for external infrared sensors

License Free

- Eliminate the time for assigning bandwidth to different parties
- Reduce licensing cost

Interference Free

- Selection of dual & single channel models
- Pilotone incorporated
- FM modulated



SPECIFICATIONS

Receiver



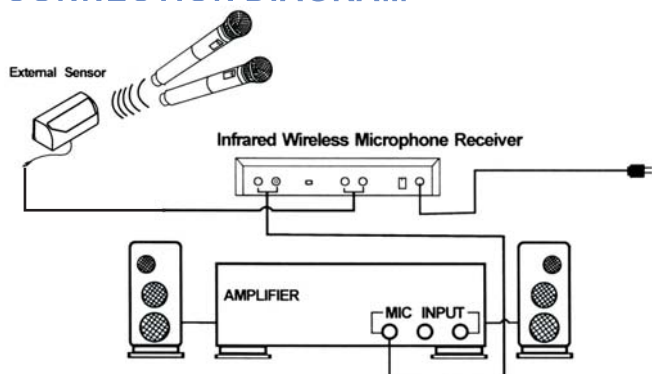
Model	IWR-200XR	IWR-220XR
No. of Channel	Single	Dual
Receiving Method	Infrared Superheat Receiving	
Receiving Frequency	2.08 MHz	Ch 1: 2.08 MHz Ch 2: 2.54 MHz
Pilotone Frequency	32.768 KHz	Ch 1: 32.768 MHz Ch 2: 36.000 MHz
Frequency Response	50 Hz ~ 18 KHz +/- 3 dB	
Distortion	< 1% (at 1 KHz)	
Infrared Wavelength	850 nm	
Modulation	FM	
De-emphasis	50 μs	
Peak Deviation	+/- 25 KHz	
S / N Ratio	> 66 dB	
Companer	Yes	
Receiving Angle	Matrix Super Wide Angle	
External Sensor Inputs	3 pieces	
IR Sensor Input Impedance	75 Ω	
Power Supply	DC15V / 500mA	
Output Power**	30 W at 4 Ω	
Dimension (mm)	210 (L) x 200 (W) x 44.1 (H)	
Weight (w/o battery)	840 g	
Patent & Approval	FCC, CE	

Transmitter



Model	IWH-201XP	IWM-202XP
Type	Handheld	Beltpack
Transmission Carrier	Infrared Ray	
Carrier Frequency	Ch 1: 2.08 MHz	Ch 2: 2.54 MHz
Pilotone Frequency	Ch 1: 32.768 MHz	Ch 2: 36.000 MHz
Infrared Wavelength	850 nm	
Modulation	FM	
Pre-emphasis	50 μs	
Peak Deviation	+/- 15 KHz	
Companer Circuit	Yes	
No. of IR Emitting Diode	12 pieces	
Transmission Angle	360	
IR Power Output Selection	High and Low	
Current Consumption	High: 500 mA	Low: 350 mA
Transmission Range	High: 55m	Low: 38m
Microphone Used	Superdirectional Dynamic	Lavalier or Headset
Microphone In Socket	-	3.5 mm mono phone jack
Battery Used	Rechargeable NiMH type 2.4V / 2100 mAH *1	Rechargeable NiMH type 1.2V / 2100 mAH *2
Battery Life	High: about 4 hours	Low: about 6 hours
Dimension (mm)	55 Φ * 235 (L)	100(L) * 40(W) * 66(H)
Weight (w/o battery)	240 g	100 g
Patent & Approval	FCC, CE	

CONNECTION DIAGRAM



ACCESSORIES (OPTIONAL)



IR-20X
External Sensor



M(L)-202
Lavalier Microphone



M(H)-202
Headset Microphone



HC-20
Charger for
IWH-201XP



HC-10
Charger for
Rechargeable
Batteries



C-10M
10M Extension
Cable for IR-20X



NiMH-2.4V
Rechargeable
batteries for
IWH-201XP
(2.4V)



NiMH-1.2V
Rechargeable
batteries for
IWM-202XP
(1.2V)



Mounting Ears
for external sensor
IR-20X

Charger



Model	HC-20	HC-10
Battery Charger Type	Handheld Mic Charger	Desktop Charging Station
Charging Mode	Switch Mode	
Charging Current	600 mA	700 mA
Discharge Method	Discharge button. Discharge current 350mA	-
Auto Switch	Auto Switch to Charging (Red) when Discharge completed.	-
Micro Charge	Micro-charge function automatically start when battery is full and provide a small current to keep battery in constant full charge condition.	
Warning Function	Beep tone with green light denotes charging is completed.	
Charging Time	About 3 hours	
Charging Indicators	RED: Charging GREEN: Full	RED: Charging YELLOW: Discharging GREEN: Full
External Charging	-	Batteries in bodypack transmitter could be charged by this charger via an external cable.
Power Supply	DC 9V / 700mA	DC 8V / 1.5A

Remarks: The specifications are subject to change without prior notice.

BAP

BILLION ASIA PACIFIC LTD.

Suite 2002, 20/F., 1 Hung To Road,
Kwun Tong, Kowloon, Hong Kong

Tel: (852) 2571 8289 Fax: (852) 2571 0289

Web: www.bap.com.hk Email: info@bap.com.hk