



IR20REC-KIT

The IR20REC-KIT: dual-channel receiver, 2 IR sensors, 1 Pendant Mic, 1 Rechargeable Battery, 1 Pendant Mic Charger, 1 Lapel Mic, 2 keys

OPTIONAL ACCESSORIES (Sold Separately)



Optional Accessories (Sold separately)
Handheld Mic, batteries, charger and Headset Mic

Description The OWI Infrared Wireless Microphone System (IR20REC-KIT) is a dual-channel, Infrared (IR) Wireless Microphone System designed for educational and institutional use to enhance a presenter's voice in all areas of the room. The IR20REC-KIT uses infrared technology, eliminating the interference and cross-talk from adjacent rooms that occurs in FM-based wireless products. The IR20REC-KIT is a building block for a voice enhancement system that can help presenters by reducing the effects of poor room acoustics and the weakening effect of voice traveling through air. The basic system is comprised of a dual-channel receiver, 2 IR sensors, 1 Pendant Mic, 1 Rechargeable Battery, 1 Pendant Mic Charger, 1 Lapel Mic, 2 keys. Additional sensors, handheld microphones, rechargeable batteries and chargers are available to expand the system's capabilities. When integrated with OWI's wide range of amplified speakers, the IR20REC-KIT provides an effective and flexible voice reinforcement system.

Features

- IR20REC-KIT includes dual-channel receiver, 2 IR sensors, 1 Pendant Mic, 1 Rechargeable Battery, 1 Pendant Mic Charger, 1 Lapel Mic and 2 keys
- Also available (Sold separately): Wireless Handheld Microphone, Rechargeable Batteries chargers and additional IR sensors
- Infrared Wireless Microphone System designed for presenters in educational and institutional settings
- Simultaneous dual-channel operation
- Separate volume controls for each channel on the MC4
- Pendant Mic transmitter with lanyard
- Two wide-angle, IR sensors allow for complete room coverage
- IR Sensors can be expanded to tailor coverage to every size room (see accessories)
- Wide-dispersion emitter array in transmitters
- Unbalanced mixed audio output
- Wireless Handheld Microphone allows for student participation and team teaching (sold separately)
- Break-away lanyard with adjustable cinch
- Microphones operate on rechargeable batteries
- Flexible system configures to meet different needs in different settings

Accessories

Included in the IR20REC-KIT

- CRSPMIC – Pendant Microphone (one each)
- CRSPBAT37 – Lithium Battery for CRSPMIC (one each)
- CRSPCH – Recharging unit for CRSPMIC (one each)
- CRSLMIC – Lapel Microphone (use with CRSPMIC - one each)
- CRSIRS – Infrared Sensor for expanding IR receiver coverage (two each)

Optional Accessories (Sold Separately)

- CRSHMIC2– Handheld Microphone
- CRSHHBAT12 – NiMH Battery for CRSHMIC2
- CRSHHCHARGER – Recharging Unit for CRSHMIC2
- CRSHSMIC– Headset Microphone (use with CRSPMIC)

TECHNICAL SPECIFICATIONS

IR20REC RECEIVER

IR Carrier Frequency: 2.06 MHz and 2.56 MHz

Deviation Range: +40 KHz

Input Sensitivity

Wireless Mic: >100 dB

THD: <0.5% (at 1 KHz)

Operating Voltage: 12 - 22 Volts

Dimensions W x H x D: 14.7 x 8.1 x 2.6"

(372.2 x 204.2 x 65.5 mm) -Subject to change

Weight: 4.74 lbs. (2.15 kg) -Subject to change

Color: White- -Subject to change

CRSPMIC – PENDANT MICROPHONE (with Lanyard)

Polar Pattern Unidirectional Electret Condenser Mic

Transmitting Frequency 2.06 MHz or 2.56 MHz

Battery Rechargeable Model CRS-PBAT37 (1 Ea.)

Dimensions (H x W x D) 4.7 x 1.3 x 0.7" (120 x 34 x 18 mm)

Weight (With Battery) 0.13 lbs (0.57 kg)

Color Black

CRSPBAT37 – PENDANT MICROPHONE BATTERY

Battery 3.7 V, 800 MAh "AA" Appropriate

Lithium Battery. The power of the battery can last 4 hours

CRSPCH – PENDANT MICROPHONE CHARGER

Input Voltage 110 V AC / 60 Hz

Output Voltage 6 V DC

Output Current 1000 mA

Charging Duration 3 Hrs.

CRSIRS – I / R SENSORS

Carrier Frequency 2.06 MHz and 2.56 MHz

Off Axis Performance 140°

Cable Length 50 Ft.

Range 66 Ft. (20 m)

Dimensions (W x D x H) 3.25 x 1.25 x 2"

(82.55 x 31.75 x 50.8 mm)

CRSLMIC – LAPEL MICROPHONE W/ COLLAR CLIP-ON

Polar Pattern Cardioid Directional

Sensitivity 47 dB + 2 dB (1 KHz, 0 dB=1v/Pa)

Frequency Response 55 Hz – 17 KHz + 2 dB

Output Impedance 2.2K Ω

Power 3.7 V DC

Power Consumption 0.5 mA (Max)

S / N Ratio 60 dB

Cable Length 40 in. (1 m)

Accessories LM-WS Windscreen

OPTIONAL ACCESSORIES (Sold Separately)

CRSHSMIC – HEADSET MICROPHONE

Element Permanently Polarized Condenser

Polar Pattern Cardioid

Frequency Response 100 – 17 KHz

Sensitivity -44 dB (6.3 mV) 1 V @ 1 Pa

Max. Input Sound Level 120 dB 1 KHz @ 1% T.H.D.

Signal-to-Noise Ratio 60 dB, 1 KHz @ Pa

Battery Current / Life 0.1 mA @ 5 V

Voltage 2.5 – 11 V DC

Weight 0.04 lbs. (0.02 kg)

Headset Dimensions 6.10 in. (155 mm)

Microphone Dimensions 0.20 in. (5.1 mm) Diameter

Body Dimensions 6.7 in. (170 mm) Length

Cable Dimensions 40 in. (1.016 m) Long

Output Connector 3.5 Mini

Accessories HSM-WS Windscreen

Color Tan

CRSHMIC2 – HANDHELD MICROPHONE

Polar Pattern Unidirectional Dynamic

Transmitting Frequency 2.56 MHz

Battery Rechargeable – Model CRS-HHBAT1.2 (2 Each)

Dimensions (W x L) Head 1.9 x 9.5 in. (50 x 240 mm)

Color Black

CRSHHCHARGER – HANDHELD MICROPHONE BATTERY CHARGER

Input Voltage 100 - 240 V ~ 0.3 A - 50 - 60 Hz

Output Voltage 6 V AC

Output Current 1.0 A

CRSHHBAT12 – HANDHELD MICROPHONE BATTERY

Battery 1.2 V, NI-MH, 1600 MAh, "AA"



Architect & Engineer Specifications

The system shall be the IR20REC-KIT, comprised of OWI Model IR20REC Receiver; Model CRSIRS Infrared Sensors, CRSPMIC Pendant Microphone with Lanyard, CRSPBAT37 Pendant Mic Rechargeable Battery, CRSPCH Pendant Battery Charger, CRSLMIC Lapel Microphone, Optional accessories sold separately are the CRSHMIC2 handheld Microphone, CRSHHBAT24 Handheld Mic Rechargeable Battery, CRSHSMIC Headset Microphone.

The unit shall have two receiving channels with carrier frequencies of 2.06 and 2.56. The unit shall have an unbalanced mixed audio output. The CRSPMIC Pendant Mic shall operate on one rechargeable lithium battery Model CRSPBAT37. The recharging unit for the CRSPBAT37 shall be Model CRSPCH.

The IR20REC-KIT shall include two (2) CRSIRS infrared sensors. Each sensor shall include mounting adhesive tapes and a 50-foot cable. The IR20REC-KIT shall accept additional sensors with the use of another CRSIRS sensor (sold separately). A wireless Handheld Microphone is available (sold separately). It shall be the model CRSHMIC2. It shall operate on two (2) rechargeable NiMH batteries (Model CRSHHBAT12 - sold separately). The recharging unit for the CRSHMIC2 shall be the CRSHHCHARGER (sold separately).