



# INFRARED WIRELESS MICROPHONE SYSTEM



FC CE RoHS



TAIWAN EXCELLENCE

[www.linkx.com.tw](http://www.linkx.com.tw)

# Infrared Microphone System

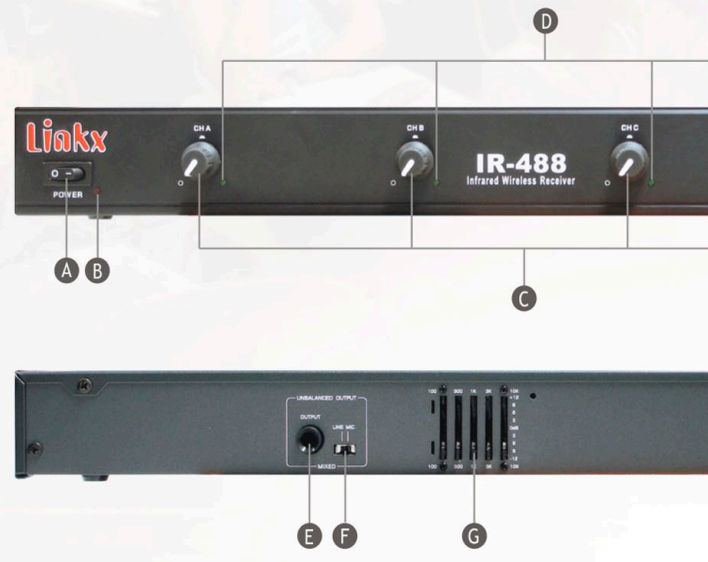


The IR Series Infrared wireless microphone system can be an addition to any existing sound system whether in a banquet room, Karaoke house, or district courtroom. No messy cables and you have total freedom of movement throughout the room. High quality and reliable connectivity in excess of 15meter radius to a central ceiling sensor.

**Features:**

The IR-288 features a two-channel infrared wireless microphone receiver for the simultaneous use of two wireless microphones: An ideal expansion to presenter's voice and encourage audience's participation. Interference-free transmission with 100% program material security (infrared will not transmit through walls).

The IR-488 is a four-channel infrared wireless receiver for the use of four wireless microphones. Ideal for courtroom, karaoke house, or video conferencing where outside interference is intolerable. Security is of the essence. Not subject to RF interference and IR transmission is contained within the room. Plugs directly into most popular courtroom

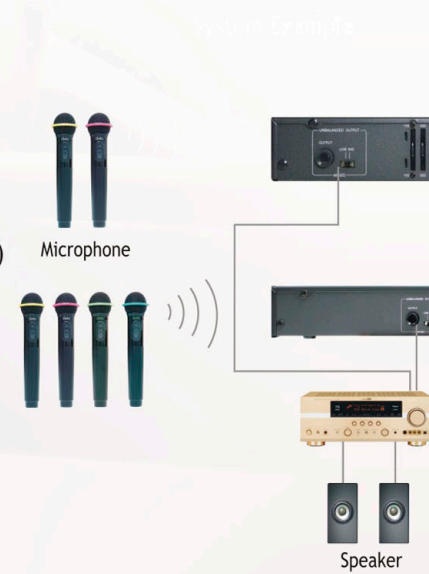


- Combined (Channel A&B, or Channel A-D), Unbalanced output, 1/4" phone, Switchable to Line or Mic level, is connected to an existing sound system to extend its use for voice reinforcement
- Five band equalizer used to fine tune for optimum intelligibility and clarity
- Reliable wireless connectivity, not subject to RF interference and IR transmission is contained within the room
- Four external sensor inputs for ultimate coverage
- Excellent for recording with an active board for internet podcasts

**System includes:**

- IR-288 system: IR-288 Receiver x 1, Handheld microphone x 2, Drop-In Charger CHR-203 x 1, Ceiling Sensor x 1
- IR-488 system: IR-488 receiver x 1, Handheld microphone x 4, Drop-In Charger CHR-203 x 2, Ceiling Sensor x 1

- A Power Switch
- B Power Indicator
- C Infrared Microphone Volume Control
- D AF Indicator
- E Audio output (1/4" phone)
- F Output Level Selector (Line / Mic)
- G Five Bank Equalizer
- H Four Sensor Inputs (RCA)
- I DC12V / 600mA

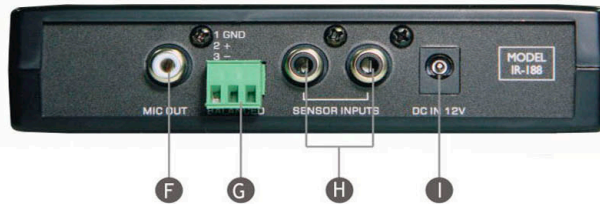
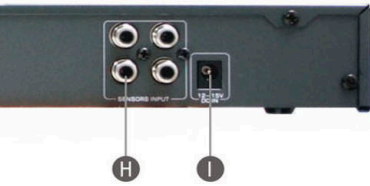
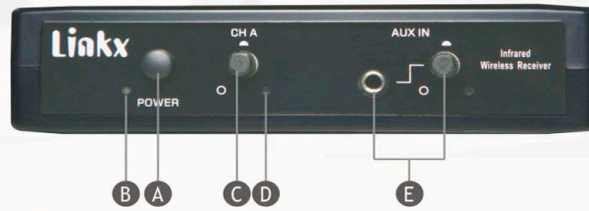
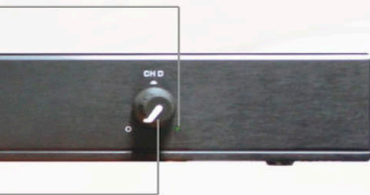


classroom, conference room,  
out the room. Excellent vocal

simultaneous use  
panel presentation,  
le and security  
ision is contained  
rding systems.



The IR-188 system will expand your multi-media sound system to include voice reinforcement via an infrared wireless microphone. The IR-188 is a preamp-only receiver and is designed to be plugged into an existing power amplifier or the input of a multi-media sound system. With an IR-188 infrared wireless microphone system, the teacher's voice will be clearly heard throughout the room with ease. And the auxiliary input on the front panel allows the input of an iPod™, computer, or DVD to supplement the instructional program.

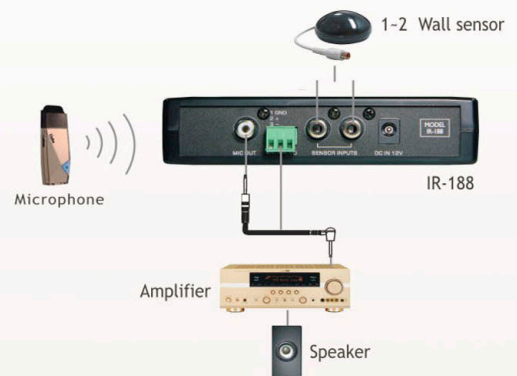


Amplifier

IR-488

### System includes:

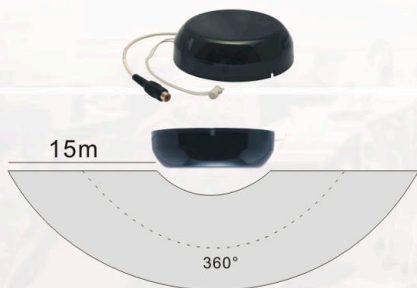
- A** Power switch
  - B** Power Indicator
  - C** Infrared Microphone Volume Control
  - D** AF Indicator
  - E** AUX IN
  - F** Mic Out
  - G** Balanced line level audio output
  - H** Sensor Inputs (RCA)
  - I** DC 12V / 600mA
- IR-188 system: IR-188 Receiver\*1, Pendant transmitter T6\*1, Infrared Sensor\*1





### Ceiling Sensor

- Reception area: 232m<sup>2</sup> / 2500ft<sup>2</sup>
- Operating range: 15m radius to central of sensor
- LED Power Indicator
- Phantom Powered by Receiver / Amplifier
- 15m cable. RCA type
- Ceiling mount rack



### Wall Sensor

- Operating range: 15m line of sight
- LED Power Indicator
- Phantom Powered by Receiver
- 5m or 10m cable RCA type
- Wall mount rack



### CHR-203 Drop-In Charger

- 2 charging compartments, convenient drop-in insertion
- Can charge 2 handheld microphone or 4pcs of 1.2V rechargeable battery
- Positive battery contact
- Optimum charge rate for NiMH battery
- Charging mode indicator-Red LED
- Full Charge indicator-Green LED
- Recycle function-extend battery life
- Auto protect circuit to prevent recharging non-rechargeable batteries
- Auto full charge maintenance



### T6 Infrared Pendant Transmitter "Diamond"

T6 vocal clarity is unsurpassed. It boasts high level output, reliable connectivity and exceptional definition. With a built-in breath filter, T6 can function as a pass-around hand mic. With a tap on the power button, the mic mutes for private conversation - tap again to restore to normal operation. The auxiliary input allows wireless playback of your iPod™ through the T6. A three-position slide switch provides selection of low, med, or high microphone volume level.

#### Features:

- Extremely lightweight, only 39g with battery
- Detachable clip and safety breakaway lanyard
- Push on/off and mute button with functional LED indicator
- Three position slide switch provides selection of low-mid-hi microphone volume level
- Hidden channel " 1-A, 2-B, 3(Push to talk)-B " selector
- External mic and aux input jack (3.5mm)
- Built-in Li-polymer battery
- Micro USB charging capability



### IRM-202 Infrared Handheld Microphone

The handheld microphone/transmitter is primarily used by students for interactive class participation. The ergonomic design renders user comfort and very low handling noise, The unidirectional condenser microphone reproduces excellent vocal quality and the windscreen prevents breath pops. The emitting diodes are located in two places- top and bottom end, for 360° transmission and assured connectivity throughout the classroom

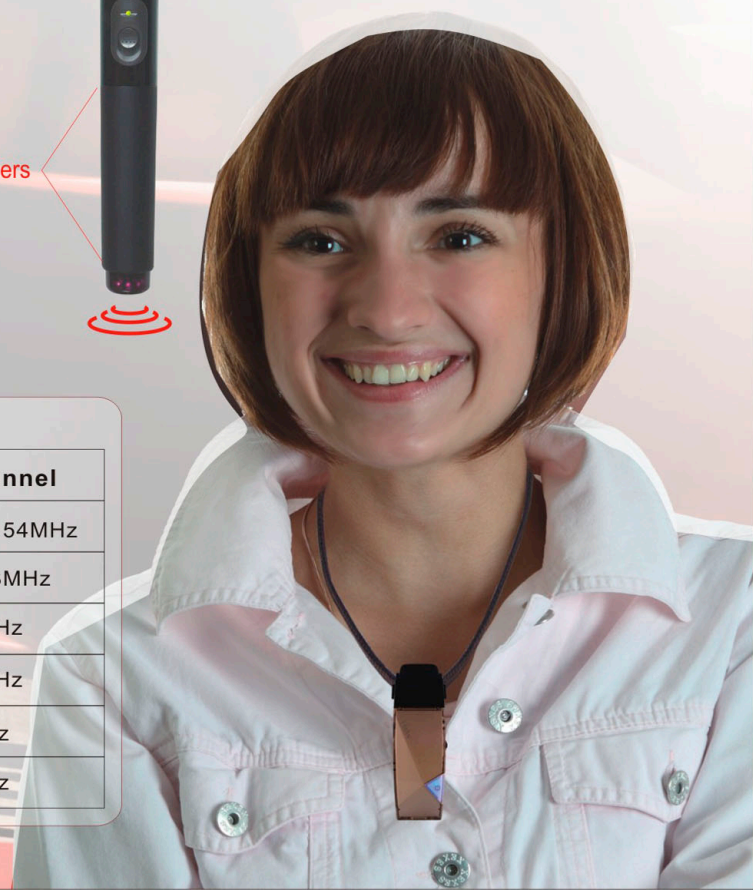
#### Features:

- Emitters are located on the top and bottom prevents transmitting interruption from hand inadvertently blocking
- Transmitter with condenser mic element
- Power on/off switch
- Rechargeable NiMH batteries
- Battery level indicator-LED



### Handheld Microphone Indication

Model No.	Capsule	Anti-ringcolor	Channel
IRM-201AB	Dc	Black	2.08/2.54MHz
IRM-201CD	Dc	Blue	2.3/2.8MHz
IRM-201A	Dy	Yellow	2.08MHz
IRM-201B	Dy	Red	2.54MHz
IRM-201C	Dy	Green	2.3MHz
IRM-201D	Dy	Blue	2.8MHz



## IR-188 /IR-288 / IR-488 Infrared Wireless Receiver

Product	IR-188	IR-288	IR-488
Carrier Reception	Infrared		
Reception System	Heterodyne		
Reception Frequencies	CH A: 2.08MHz	CH A: 2.08MHz / CH B: 2.54MHz	CH A: 2.08MHz / CH B: 2.54MHz CH C: 2.30MHz / CH D: 2.80MHz
Infrared Wavelength	850nm		
Modulation System	FM Wide-Band		
Tone Signal	32.768KHz	32.768 KHz (A.B CH)	32.768 KHz (A.B CH) 38.000 KHz (C.D CH)
De-emphasis	50µS		
Frequency Response	40Hz-10KHz ±3dB	50Hz-13kHz ±3dB	
S/N Ratio	> 70dB	> 75dB	
THD	< 1.0% (at 1KHz)		
Max. Deviation	±22.5KHz		
Outputs (Modulation factor: 22.5KHz dev., Volume: MAX)	(1) Unbalanced MIXED (1/4 ") output, MIC:100mV (1) Balanced Euro Block,LINE:1V	(1) Unbalanced MIXED (1/4 ") output LINE:1V/47KΩ, MIC: 100mV/600Ω	
Equalizer	—		
External Sensor Inputs	2 RCA type	5 band (100, 300, 1K, 3K, 10K) 4, RCA type	
Power Supply	DC 12V/ 600mA		
Size	130(W) × 118(D) × 30.9(H)mm	215(W) × 190(D) × 44(H)mm	430(W) × 215(D) × 44(H)mm
Weight	196 g	1.02 kgs	1.87 kgs

### T6 Infrared Pendant Transmitter

Type	Pendant
Infrared Ray Wavelength	850 nm
Transmission Frequency	1- channel A : 2.08 MHz / 2- channel B: 2.54 MHz / 3- channel B: 2.54 MHz ( push to talk )
Modulation	FM
Pilotone Frequency	32.768KHz
Transmission Angle	180°, Conical
Microphone Capsule	Condenser, Unidirectional
Location of IR Emitter	Built-in, Top
Power Switch	On / Off / Mute Push Button
Volume Control	HIGH / MIDDLE / LOW Switch
External Aux Input	One 3.5mm Stereo Jack for line or Mic input
Function Control Switch	Aux Input Volume Up - Thumb Rotary Up Aux Input Volume Down - Thumb Rotary Down
Push to Talk	Switch to CH 3 - channel B, Press and hold the Function Control Switch to Talk
Current Consumption	90mA
Battery Used	Linkx Li-Polymer Battery (3.7V / 600mAh)
Battery Life	Approx. 7 hours
Power LED Indicator	ON = Blue Mute = Flashing Blue Battery Capacity = Full to Low (Blue ->Purple ->Red) Flashing Red = Battery Low, Needs Charging Push to Talk (on CH 3-channel B) = Green Charging = RED Charging complete = Green
External Power Charge	DC+5V , Micro USB connector Charging source is compatible from any laptop, PC or provided travel adaptor
Clip and Lanyard	Clip and Adjustable neck strap with break away clip
Dimensions	19mm(Thickness) × 93 mm(H) × 30.6 mm(W)
Weight	Approx.39 g ( with Battery)

#### T6 Accessories



USB to MicroUSB  
cable



USB power  
adaptor



Detachable  
Clip



Lanyard

### IRS-55 Ceiling Sensor



### IRS-20 wall Sensor



### IRM-202AB Infrared Handheld Microphone

Type	Handheld
Transmission Frequency	CH A : 2.08 MHz / CH B : 2.54 MHz (Switchable)
Modulation	FM
Pilotone Frequency	32.768 KHz (A / B CH)
Transmission Angle	360°
Location of IR Emitter	Two locations, Top and bottom of Tubular
Power Switch	On/Off Slide
Microphone Capsule	Condenser, Unidirectional
Current Consumption	220 mA
Battery Used	Dual "AA" NiMH Rechargeable
Battery Life	Approx. 9 hours
Battery LED	Green - Usable, Red - Needs Charging
Dimensions	247(L) x 45(dim.) mm
Weight	240 g

#### IRM-202 Accessories



Tube

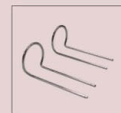


Rechargeable  
Battery

### CHR-203 Dual Slot Charger

Charging Slot	Dual, either (2)Handheld, (4)"AA" Rechargeable battery
Charging Mode	Switching
Charging Current	500mA ±10% per slot
Discharging Current	300mA ±10% per slot
Charging Indicators	Red = Charging, Green = Full, Orange = Discharging
Recycle Function	Auto discharge & Recharge
Power Supply	DC 12V/ 600mA
Dimensions	158(W) x 70(D) x 63(H)mm
Weight	330 g

#### CHR-203 Accessories



Microphone  
Holders



Adapter

#### Charging Method



# Linkx

LINKX ELECTRONICS CO., LTD.

4F-1, No.332 Ming-Chen 2nd Road, Tsou-In Dist., Kaohsiung Taiwan

t: +886-7-558-0746 f: +886-7-558-0741

info@linkx.com.tw www.linkx.com.tw

All rights reserved. Do not copy or forward without prior Linkx approvals.  
Specifications and design subject to change without notice.