



HTDZ

INFRARED WIRELESS LANGUAGE DISTRIBUTION SYSTEM

INFRARED CONFERENCE SYSTEM MAIN UNIT HT-8500M

System features

- a. Infra-red transmission technology guarantees privacy.
- b. Perfect sound quality as CD from the microphone.
- c. IR communication system eliminates the need of connecting the conference units. Installation can be done quick and smart without cumbersome arrangements.
- d. Fully functions (Discuss & Video tracing), support FIFO (1/2/3), Limit (1/2/3) and chairman only mode, microphones in one system up to 128 units.
- e. Microphones can be operated on either their built-in rechargeable lithium-ion batteries or AC power supply. Battery life approx. 8 hours during speech and approx. 30 hours when standby.
- f. Microphone LCD can display system and conference information.
- g. Excellent immunity to RF interference from mobile phones and RF devices.



Parameter

- a. Power supply: AC110~220V 50~60Hz
- b. Audio channel: 4 channels
- c. Control channel: 5 channel
- d. Carrier frequency band: 6MHz~8MHz
- e. Receiving Sensitivity: -80dBm
- f. T.H.D:<0.5%
- g. S/N Ratio :> 70dB
- h. Input Impedance: 50Ω
- i. Consumption Rating: 10W
- j. Support Mode: Limit (1/2/3), FIFO (1/2/3), Chairman Only
- k. Support video camera auto-track with video processor
- m. Two group audio output interface to support external audio system
- n. Installation: 19-inch frame
- o. Dimension: 484×377×85mm
- p. Designed accordance to UL and CE standards.



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Infrared delegate microphone HT-8500d

- a. Newly digital design
- b. Portable table moving and microphone pipe can be pull out. Extended pipe optional.
- c. Electric capacity type microphone, equipped with windshield cover
- d. LCD display microphone ID, signal level, battery level, microphone state, control channel, etc.
- e. Equipped with microphone on/off key and indicator.
- f. Equipped with 5 function keys to set microphone id, control channel, LCD contrast and light time.
- g. Auto-Close: Microphone will turn off automatically if there is no action of this microphone in 90 seconds..
- h. Microphone will shut off the power in 60 seconds to save battery power if system communication is error.
- i. LCD will display "IR Signal Weak" if the IR signal is weak when microphone working.

Infrared chairman microphone HT-8500c

Including the functions of the delegate unit, chairman unit has other following functions:

- a. Chairman microphone can turn on any time.
- b. In one system microphones just support one chairman microphone and the ID number should be 1.
- c. Priority function: chairman can turn off delegate microphones any time.
- d. Chairman only mode: Delegate microphone can not be turned on again after chairman microphone press priority button. The chairman need quit this mode first, and then delegate microphone can be turned on again.

Parameter

- a. Power Supply DC12V
- b. Audio channel: 4 channels
- c. Control channel: 5 channel
- d. Frequency: 6MHz~8MHz
- e. T.H.D:<0.5%
- f. S/N Ratio :> 70dB
- g. Consumption Rating: 8W
- h. Radiated Power: 10dBm
- i. Dimension: 220×155×69mm





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Infrared conferans system distribitör HT-8500T

- 1) BNC terminal: Connector for the BNC coaxial cable connection
- 2) Mounting and fixing holes: Holes for mounting distributor body



If the input signals of each IR transceiver unit are not in the same phase, the receiving level may decrease. To match the signal phase, the length of the corresponding cables and should be the same; main unit and distributor RF terminals can not be vacant.

Infrared conferans system IR Receiver HT-8500R

- 1) BNC terminal: Used for connect coaxial cable (50Ω).
- 2) IR sensor
 - a. Infrared operating distance varies depending on the color of the ceiling and walls.
 - b. Noise may be generated by interference regardless of the operating distance between the IR transceiver unit and the microphone unit; in this case, move transceiver unit away from infrared-emitting objects.
 - c. Do not place any obstructions around the microphone units.
 - d. Block direct sunlight from the unit using curtains or blinds.
 - e. When installing the IR transceiver units on the ceiling, install the units at least 2 to 3 meters away from the windows or the wall.
 - f. Install the IR transceiver units more than 50cm from fluorescent lamps.
 - g. In addition, if the IR transceiver units are installed near the infrared-emitting sources list below, the system may malfunction or noise may be generated. When installing the IR transceiver units, and the microphone units, take care to avoid placing them near the following infrared-emitting and noise sources:
 - Lighting equipment
 - Projector (liquid crystal, DLP), OHP, incandescent bulbs
 - Mercury lamp, halogen lamps, and inverter fluorescent lamps
 - Plasma displays
 - Infrared devices such as the remote control, infrared microphones and infrared LAN
 - Dimmer controls
 - Digital equipment like the digital power amplifier and cable wiring to this.(such as speaker output wiring of the digital power amplifier)





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Infrared conferans system Battery Charger HT-8500CG

- a. Input Voltage: AC 110~220V
- b. Charges 16 PCS of LIP battery per charging
- c. Dimension: 620*370*260mm



Infrared conference system main unit HT-8500M

	Items	Parameter
Audio channel	Transmission method	Wireless infrared
	Audio channel	4
	Carrier frequency band	6MHz-8MHz
	Modulation method	FM
	Receiving sensitivity	-80dBm
	Output level	-10dB
	Input level	-10dB
	Frequency response	100Hz-8KHz
	S/N Ratio	> 70dB
	T.H.D.	<0.5%
Data control channel	Transmission method	Wireless
	Data channel	5
	Frequency Range	915MHz-925MHz
	Modulation method	FSK
	Receiving sensitivity	-80dBm
	Transmission consumption	10dBm
	Communication rate	100KBPS
Main unit	Power supply	110V-240V/50Hz
	Consumption Rating	10W
	Operating temperature range	0-40 degree
	Dimensions	484×377×85mm



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Infrared conference system microphone HT-8500C/D

	Items	Parameter
Audio channel	Transmission method	Wireless infrared
	Audio channel	4
	Carrier frequency band	6MHz-8MHz
	Modulation method	FM
	Infrared radiator consumption	+10dBm
	Mic sensitivity	-44dB±2dB
	Frequency response	100Hz-8KHz
	S/N Ratio	>70dB
	T.H.D.	<0.5%
	Reference sound receiving distance	10-30cm
Data control channel	Transmission method	Wireless
	Data channel	5
	Frequency Range	915MHz-925MHz
	Modulation method	FSK
	Receiving sensitivity	-80dBm
	Transmission consumption	10dBm
	Communication rate	100KBPS
Microphone	Battery	LIP battery12V/4800MAH
	Consumption Rating	8W
	Operating temperature range	0-40 degree
	Length of gooseneck	400mm (optional)
	Dimensions	220×155×69mm



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Infrared conference system IR Receiver HT-8500R

Items	Parameter
Carrier frequency band	6MHz-8MHz
Power supply	DC12V by Main unit
Rated current	10mA
Receiving sensitivity	-80dBm
Gain	40dBm
Output Impedance	50Ω
Terminal type	BNC
Dimensions	φ98×74mm

Infrared conference system IR Distribütör HT-8500T

Items	Parameter
Carrier frequency band	6MHz-8MHz
Insertion loss computation	1dBm
Input/Output Impedance	50Ω
Input terminal	2
Output terminal	1
Terminal type	BNC
Dimensions	80×65×20mm

Infrared conference system battery charger HT-8500CG

Items	Parameter
Power supply	110V-240V/50Hz
Consumption Rating	200W
Charge quantity	16
MAX charging current of each unit	700mA
Charging time	About 8~10 hours
Charging status	Red LED flashing -Charging, Green LED -Full Charged
Operating temperature range	0-40 degree
Dimensions	620×370×260mm