



Infrared Wireless Conference System Controller IRCS-800



Features:

- ✓ Infrared wireless transmission technology was featured by flexible installation and portable for rental use.
- ✓ Meet the needs for secure and interference-free communication and discussion conference system.
- ✓ Minimum equipments to set up a basic conference system in a short time.
- ✓ Ideal use for board room, conference room and meeting room for hotel, office and government.
- ✓ Capacity of connection up to 128 units wireless delegated microphones.
- ✓ Support up to 3 delegated microphone online discussion at the same time.
- ✓ Multiple meeting modes of limited speech, first in first out and chairman priority.
- ✓ Built-in 160×32 LCD screen in English to display each microphone working and power status.
- ✓ Two line outputs for recording system and reinforce sound system
- ✓ With identity card for security to access to operate the controller
- ✓ With video output to auto-video tracking controller
- ✓ Infrared wireless technology for control and FM radio technology for communication

Specifications:

Model	IRCS-800	
Description	Infrared Wireless Conference System Controller	
Audio Channel	Transmission Way	Wireless Radio
	Audio Channel	4
	Carrier Band	6M-8MHz
	Modulation Method	FM frequency modulation
	Sensitivity	-85dBm
	Output Level	-10dB
	Operation Distance	>10 meters
	Frequency Response	100-10KHz
	S/N Ratio	>70dB
	THD	<0.5%
Data Control	Transmission Way	Wireless Infrared
	Data Channel	14
	Frequency Range	915-925MHz
	Modulation Way	FSK
	Sensitivity	-80dBm
	Transmission Loss	10dBm
	Communication Rate	100Kbps
	Radiation Coverage	100 SQ meters
Power Supply	AC220V or 115V, 50-60Hz	
Power Consumption	10W	
Operation Temp	0-40°C	
Dimension	484(W)×377(D)×85(H)mm	
Weight	6.85kg	



Infrared Wireless Chairman Unit IRCS-801



Features:

- ✓ Infrared wireless transmission technology for flexible installation and portable for rental use.
- ✓ Meet the needs for secure and interference-free communication and discussion conference system.
- ✓ Minimum equipments to set up a basic conference system in a short time.
- ✓ Ideal use for board room, conference room and meeting room for hotel, office and government.
- ✓ Chairman unit with priority over delegate unit when speech.
- ✓ Chairman unit can turn off the delegate unit speech.
- ✓ The system support only chairman speech mode without any interruption from others. Delegate units could speech only after the chairman unit exit the "Chairman Mode".
- ✓ Built-in lithium rechargeable battery, which support 8 hours of speech use and 30 hours of standby.
- ✓ LCD screen English display the ID, signal level, battery & microphone status and control channel.
- ✓ The chairman delegate microphone with additional priority button except the on/off button.
- ✓ The microphone is designed with round ring indicator for microphone on.
- ✓ There are five buttons to set up the ID, control channel, light contrast ratio and light time.
- ✓ Power standby automatically when there is no operation within 99 seconds.
- ✓ The microphone will be power off within 60 seconds when there is system error.
- ✓ "IR Signal Weak" reminding will pop up when power is not enough.
- ✓ Gooseneck length of 400mm, longer one could be customized without additional cost.
- ✓ Each conference system only support one chairman unit and its ID shall be 001.
- ✓ Infrared wireless technology for control and FM radio technology for communication

Specifications:

Model	IRCS-801
Description	Infrared Wireless Chairman Unit
System Capacity	128 units
Power Supply	Built-in lithium battery, 12V, 4,000mAH
Modulation Way	Frequency modulation
Battery Working Time	8 hours
Battery Standby Time	30 hours
Power Consumption	8W
Receiving Angle	Vertical 120°C and horizontal 150°C.
Voice Pickup Distance	10-30cm
Gooseneck Length	400mm
Gooseneck Color	Black (Silver is optional)
Operation Temp	0°C to +40°C
Dimension	210(W)×140(D)×69(H)mm



Infrared Wireless Delegate Unit IRCS-802



Features:

- ✓ Infrared wireless transmission technology was featured by flexible installation and portable for rental use.
- ✓ Meet the needs for secure and interference-free communication and discussion conference system.
- ✓ Minimum equipments to set up a basic conference system in a short time.
- ✓ Ideal use for board room, conference room and meeting room for hotel, office and government.
- ✓ The delegate unit speech could be turn off by the chairman unit.
- ✓ Delegate units could speech only after the chairman unit exit the "Chairman Mode".
- ✓ Built-in long time lithium rechargeable battery.
- ✓ Support 8 hours of speech use and 30 hours of standby.
- ✓ LCD screen English display the microphone ID, signal level, battery status, microphone status and control channel.
- ✓ The delegate microphone with on/off button.
- ✓ The microphone is designed with round ring indicator for microphone on.
- ✓ There are five buttons to set up the ID, control channel, light contrast ratio and light time.
- ✓ Power standby automatically when there is no operation within 99 seconds.
- ✓ The microphone will be power off within 60 seconds when there is system error.
- ✓ Weak power reminding will pop up in the LCD display with "IR Signal Weak" when power is not enough.
- ✓ Gooseneck length of 400mm, longer one could be customized without additional cost.
- ✓ Gooseneck have silver and black two color options.
- ✓ Each conference system controller support 128 delegate units.
- ✓ Infrared wireless technology for control and FM radio technology for communication

Specifications:

Model	IRCS-802
Description	Infrared Wireless Delegate Unit
System Capacity	128 units
Power Supply	Built-in lithium battery, 12V, 4,000mAH
Modulation Way	Frequency modulation
Battery Working Time	8 hours
Battery Standby Time	30 hours
Power Consumption	8W
Receiving Angle	Vertical 120° and horizontal 150°.
Voice Pickup Distance	10-30cm
Gooseneck Length	400mm
Gooseneck Color	Black (Silver is optional)
Operation Temp	0°C to +40°C
Dimension	210(W)×140(D)×69(H)mm



Infrared Wireless Transmitter IRCS-803



Features:

- ✓ Infrared wireless transmission technology was featured by flexible installation and portable for rental use.
- ✓ Meet the needs for secure and interference-free communication and discussion conference system.
- ✓ Minimum equipments to set up a basic conference system in a short time.
- ✓ Ideal use for board room, conference room and meeting room for hotel, office and government.
- ✓ Infrared wireless technology for control and FM radio technology for communication
- ✓ The Infrared signal will be generated by IRCS-800 controller, then wide angle transmitted by this transmitter to amplify the signal to longer distance to be more easily received by the IR wireless receiver built-in the microphone unit.
- ✓ It is designed for ceiling mount, surface mount, wall mount and also could be on the microphone stand.
- ✓ Power supply of DC12V directly from the controller by coaxial cable.
- ✓ Radiation coverage about 10 SQ meters if the room is less than 5 meters high.
- ✓ Special minimum power consumption circuit design.
- ✓ Maximum receiving angle about vertical 150° and horizontal 360°.

Specifications:

Model	IRCS-803
Description	Infrared Wireless Transmitter
Power Supply	DC12V from the controller
Current Consumption	25mA
Modulation Way	Frequency modulation
Radiation Angle	Vertical 150° and horizontal 360°.
Radiation Coverage	10 SQ meters when high is less than 5m
Sensitivity	-85dBm
Gain	40dBm
Output Impedance	50Ω
Connector	BNC
LED Indicator	Power
Finish	Dome: PC resin, visible light cut filter Base: ABS resin, black
Operation Temp	0°C to +40°C
Dimension	Φ98×74(H)mm
Weight	0.45kg
Accessory	Mounting bracket, Stand mounting bracket, Stand mounting bracket attaching screw, Thread Adapter



Infrared Wireless Distributor IRCS-804



Features:

- ✓ The distributor is used to distribute one signal into two, so as to connect more transmitters, by this way, coaxial cable will be saved a lot.
- ✓ One signal input split into two signal outputs
- ✓ It is designed by impedance balanced technology, minimum signal loss, so this connector is also could be as repeater to extend the communication distance.
- ✓ It is specially transmit 6-8MHz frequency and power passing type with easy power supply.
- ✓ The plating finish with shielded protection to ensure signal and power minimum loss.

Specifications:

Model	IRCS-804
Description	Infrared Wireless Distributor
Carrier Band	6MHz-8MHz
Distribution Loss	<1dBm
Impedance	50Ω
Operation Temp	0°C to +40°C
Connector	BNC, one input and two outputs
Dimension	Φ98×74(H)mm
Weight	0.45kg



Battery Charger IRCS-805



Features:

- ✓ The battery is exclusively designed to charge the battery IRCS-806, which is used inside the wireless microphone.
- ✓ It is designed with portable strong protection box easy for rentable and mobile use.
- ✓ It permits up to 10 batteries simultaneously charged.
- ✓ Charging time is about 8 to 10 hours.
- ✓ Power supply of AC220V or 115V, 50-60Hz
- ✓ Built-in over charge protection to protect the lithium battery life span.
- ✓ With charging red indicator and full green indicator

Specifications:

Model	IRCS-805
Description	Battery Charger
Power Supply	AC220V or 115V, 50-60Hz
Power Consumption	200W
Charging Qty	10 units
Charging Current	700mA
Charging Time	8 to 10 hours
Indicator	Red indicator flashing-charging, green indicator-full charged
Operation Temp	0°C to +40°C
Dimension	620(W)×370(D)×210(H)mm
Weight	10.75kg



Rechargeable Lithium Battery IRCS-806



Features:

- ✓ The battery is exclusively designed for the wireless microphone use, it is rechargeable lithium-ion type.
- ✓ Light weight and long time use.
- ✓ 8 hours working time and 30 hours of standby time.
- ✓ Over charge protection and minimum electrolyte leakage.
- ✓ Half weight of NICAD and NIHM battery with double power capacity.

Specifications:

Model	IRCS-806
Description	Rechargeable Lithium Battery
Rated Voltage	DC12V
Discharge Current	< 500mA
Charging Current	< 700mA
Speech Time	8 hours
Standby Time	30 hours
Charging Voltage	DC15V
Operation Temp	0°C to +40°C
Dimension	130(W)×64(D)×25(H)mm
Weight	0.25kg



Infrared Wireless Antenna IRCS-807



Features:

- ✓ The antenna is used to amplify the signal strength of IRCS-800.
- ✓ It will help to extend the IR signal coverage and it also can transmit over some obstacles.
- ✓ It is free of charge, will be supplied in the controller packaging box.

Specifications:

Model	IRCS-807
Description	Infrared Wireless Antenna
Carrier Band	915MHz-925MHz
Impedance	50Ω
Max Cable Distance	20ms
Connector	BNC
Dimension	345(W)×80(H)mm
Weight	0.1kg



AC Power Adapter IRCS-810



Features:

The AC power adapter is used to directly power and charge the wireless delegate unit and chairman unit.

Specifications:

Model	IRCS-810
Description	AC Power Adapter
Power Supply	AC220V or 115V, 50-60Hz
Output Voltage	DC18V, 600mA
Operation Temp	0°C to +40°C
Dimension	98(W)×70(D)×55(H)mm
Weight	0.75kg
Accessory	Power plug and power cord

Digital Infrared Wireless Conference System

Bill of Material for One 30 Delegates About 120 SQ Meters Board Meeting Room

S/N	Model	Description	Qty	Function
1	IRCS-800	IR Wireless Conference System Controller	1	System Manager
2	IRCS-801	IR Wireless Chairman Unit	1	Chairman Use
3	IRCS-802	IR Wireless Delegate Unit	30	Delegate Use
4	IRCS-803	IR Wireless Transmitter	4	Install in four corners
5	IRCS-804	IR Wireless Distributor	2	Each one for two transmitter
6	IRCS-805	Battery Charger	3	Each one for 10 batteries
7	IRCS-806	Lithium Rechargeable Battery	5	Spare accessory
8	IRCS-807	IR Wireless Antenna	1	Free of charge
9	IRCS-810	AC Power Adapter	5	Spare accessory