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**CREATOR<sup>®</sup>**  
International Audiovisual Manufacturer

**Infrared simultaneous  
translation series**

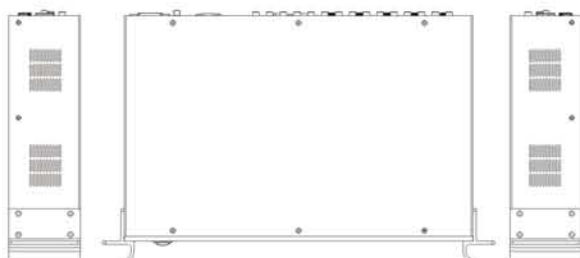
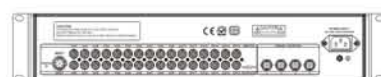


## CR-IR3000A

### 16 channel digital infrared transmitting controller



CR-IR3000A



Size(mm):  
483(L)X275(W)X88.1(H)

#### Product overview

CR-IR3000A series digital infrared transmitting controller is the core of digital infrared voice distribution system.

The simulation code is compressed after audio analog-to-digital conversion; Full digital DQPSK modulation and transmission; System can transmit 16 channel languages at the same time. The infrared transmitting controller can be installed in the standard 19 inch cabinet, easy storage and preservation.

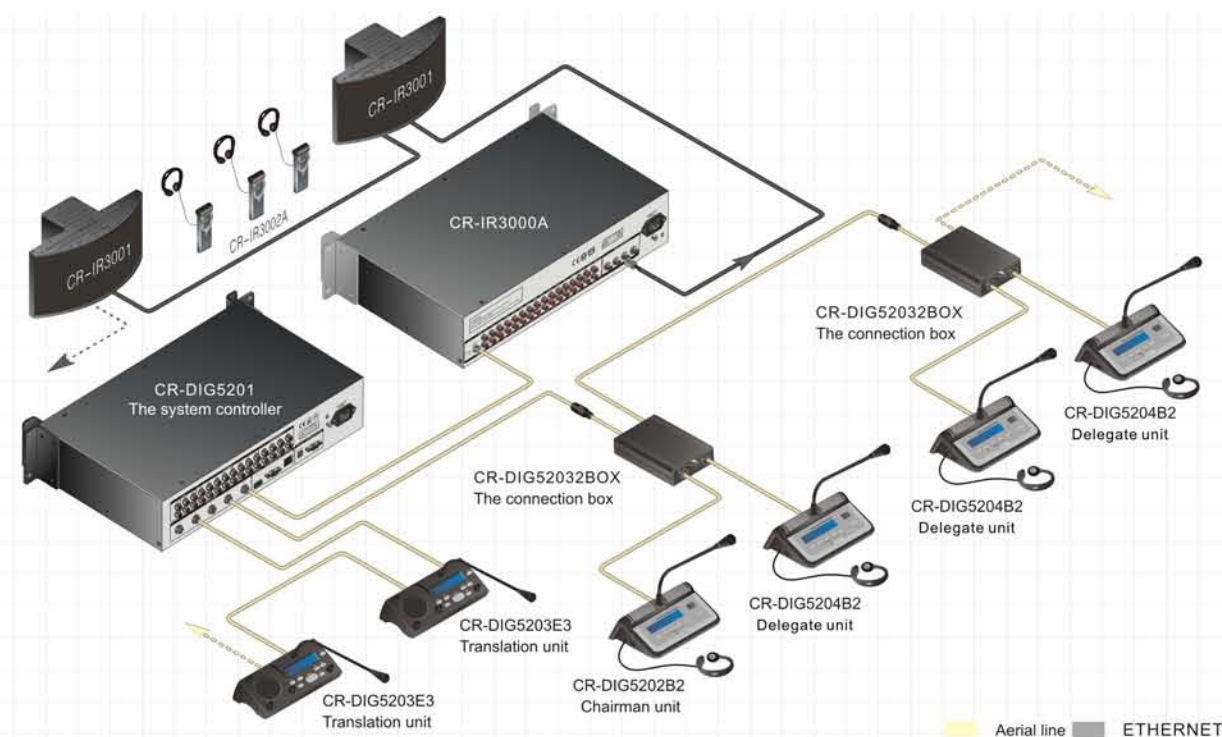
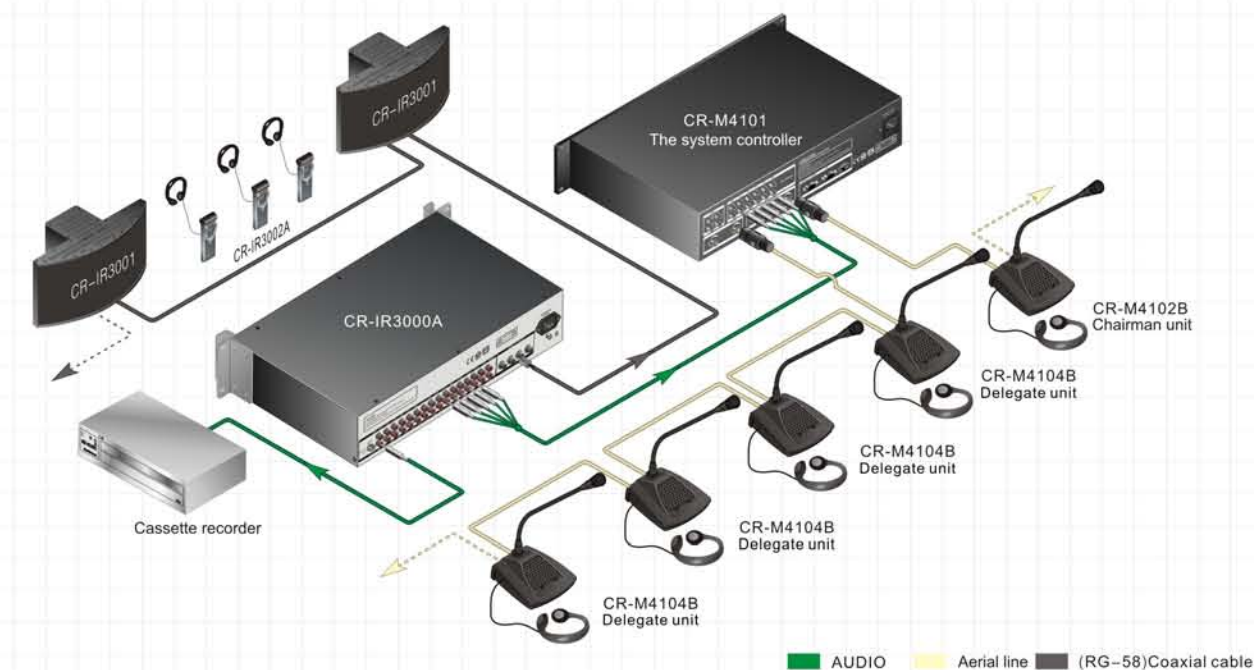
#### Function characteristics

- In accordance with IEC 61603-7 and IEC 60914.
- With the digital DQPSK modulation technology.
- High-speed DSP processing.
- The high frequency (2-6MHz, IEC61603 BAND IV), is not affected by the high frequency driving light interference.
- Input level indication function, controller front panel LED lamp can display the input state of the corresponding channel.
- With 16 channel external audio input.
- Support connecting the DIG conferencing system, 16 road digital audio input.
- With 16 audio outputs, can be used to monitor or connect cassette recording.
- With 4 signal output interface (BNC), is used for connecting the radiation panel.
- The power input is 100V-240V, 50-60Hz. It has to undergo a high voltage (3500V) test, to ensure compliance with safety standards.
- The controller shell made of metal materials, line and the shell strengthened with wire connection, ensure the capability of antistatic 8000V.

#### Specifications

The parameter name	CR-IR3000A
Power supply	100V-240VAC
Power consumption	5W
Carrier frequency	2M-6MHz (BAND4 band)
The output signal amplitude	2V-VPP
Maximum input frequency range	4V-VPP
Install	Mount on 19 inch rack or put on the desktop; machine feet capable of loading and unloading, convenient for desktop use
Weight	About 6KG
Color	Dark grey

#### System connection diagram



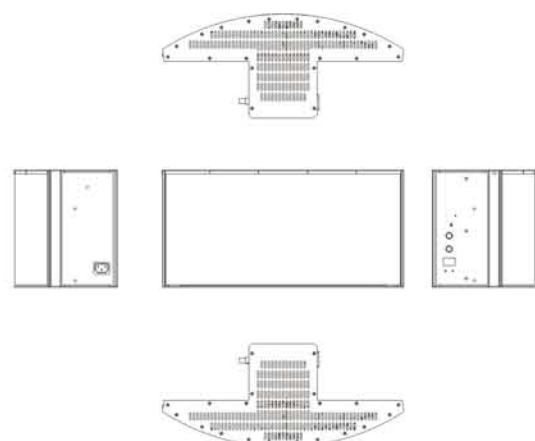


## CR-IR3001

### High performance infrared radiation panel



CR-IR3001



Size(mm):  
453(L)X230(W)X208(H)

#### Product overview

Infrared radiation panel is the infrared radiation device with large power, for receiving carrier signal of infrared emission controller, and emit the carrier signal by the infrared. Support hand in hand, can simultaneously connect 30 radiant panels.

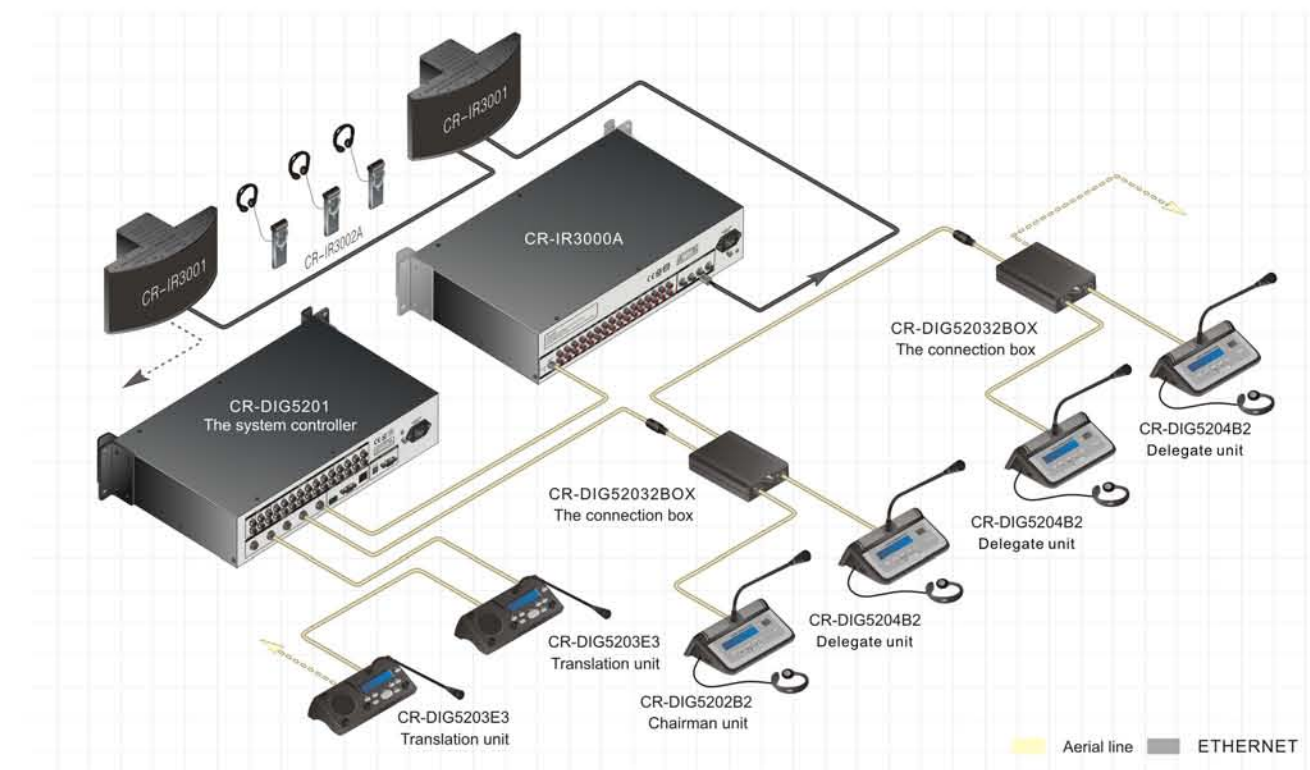
#### Function characteristics

- Super launch capability, the distance can reach 76 meters.
- Cable delay compensation; compensate the circuit delay.
- High performance infrared emission, the same emission intensity, power consumption is only half the peers.
- Standby function: When radiation panel does not pick up the signal, or the controller has no signal output, radiation panel standby, the standby power consumption is only 3W.
- Half emission intensity function: to reduce the signal power, convenient for small environment.
- The arc structure, big angle, wide coverage.
- Can achieve multiple radiation unit series in "hand in hand" approach;
- Half value emission angle: + 25°.
- Light weight and durable.

#### Specifications

The parameter name	CR-IR3001
Power supply	100V-240VAC
Transmit power	36W
RF input	Impedance: 10kΩ Range: 100mV - 3V
The maximum covered distance	76m
Automatic switch threshold voltage	100mV RF signal
Weight	About 7KG
Color	Dark grey

#### System connection diagram

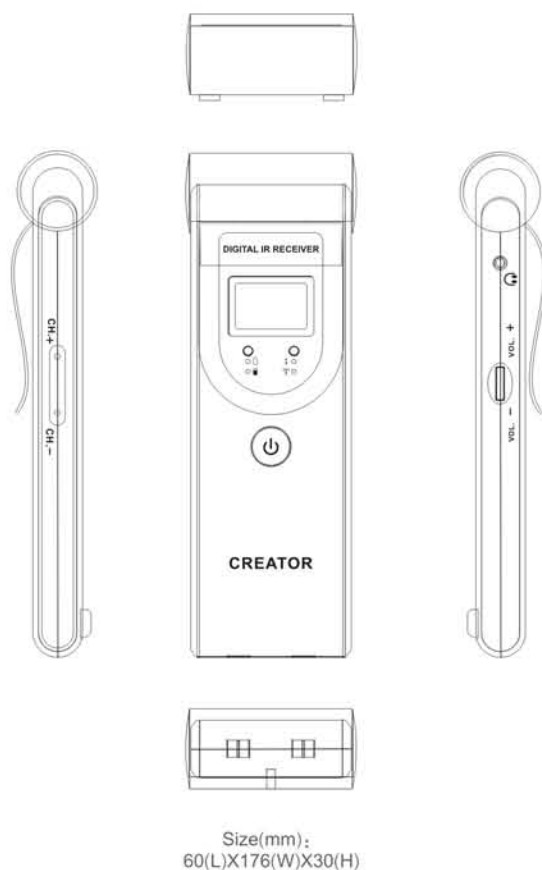


# CR-IR3002A

**8/16 channel infrared receiving unit**



CR-IR3002A



Size(mm):  
60(L)X176(W)X30(H)

## Product overview

Using the latest electronic technology and special chip, guarantee the best performance and the longest battery life. Ergonomic design infrared receiver can receive the infrared signal well. With channel selection function and volume adjustment function.

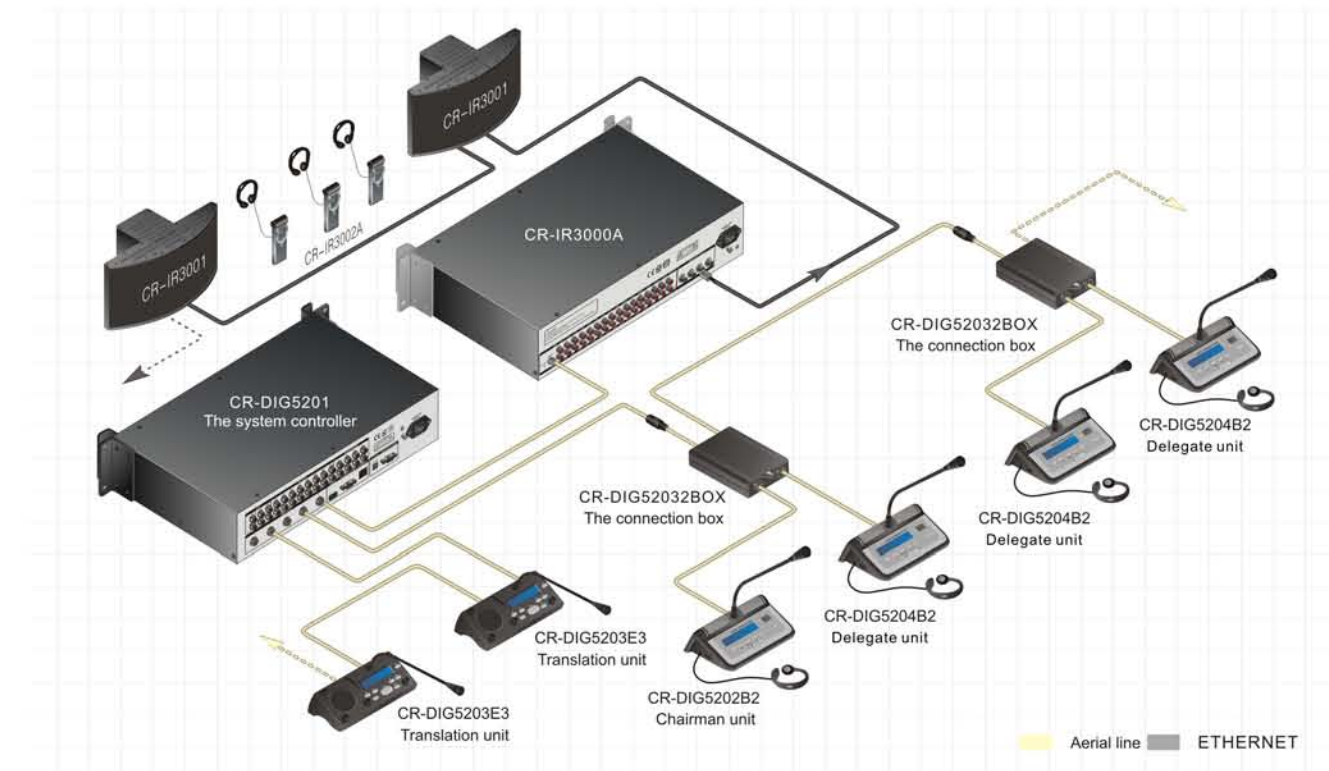
### Function characteristics

- In accordance with IEC 61603-7 and IEC 60914.
- Be compatible with the use of With the IEC 61603-7 protocols like Bosch.
- Full digital DQPSK demodulation technology.
- The high frequency (2-6MHz, IEC61603 BAND IV), is not affected by the high frequency driving light interference.
- Button type channel selection, can receive 8/16 audio channels.
- Status indication of channel number of large screen LCD display, battery power and signal.
- Be free to adjust the volume size.
- No noise. When the signal is too low, the signal is automatically mute, ensure that users receive only high quality signal.
- Appearance design is exquisite, wear-resistant, the receiver can be hung on the chest, also can be placed in the pocket of a jacket, flexible and convenient use.
- Without the seat limit, representatives can arbitrarily walk in the signal transmission range.
- In the effective range of the infrared radiation, increasing the number of receiving unit is not restricted.
- If the receiver can not receive the signal for 5 minutes, the earphones shuts off automatically after being plugged off for 5 minutes.

## Specifications

The parameter name	CR-IR3002A
Power supply	Built-in rechargeable lithium battery, 3.7V/750mA
Receiving frequency	2M-6MHz
Total harmonic distortion	<1%
Frequency response	20Hz-10KHz
The maximum signal-to-noise ratio	> 80dB
Power waste	80mw
Weight (including battery)	250g
Weight (without battery)	225g

### System connection diagram



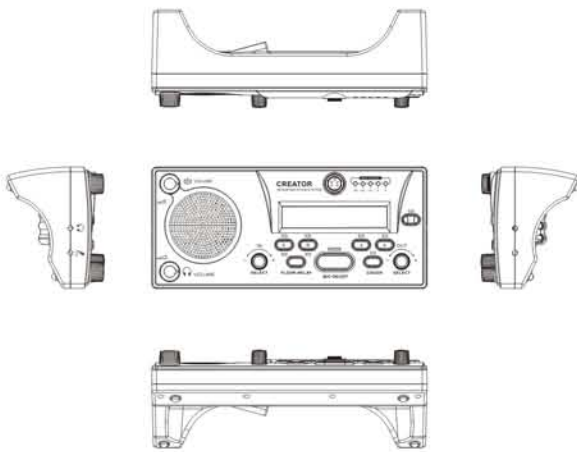


CR-M4103E3

Simultaneous interpretation unit



CR-M4103E3



Size(mm):  
290(L)X128(W)X86 6(H)

Product overview

CR-M4103E3 is a translation unit with clear distinction of functions. It has a simple, intuitive appearance. It enjoys powerful function for carrying out 1 1+1 multilingual simultaneous translation, direct translation and indirect translation at the same time. The CREATOR original audio high frequency increase and compensation technology provides clear sound compensation, venue space effect compensation, and pure audio restoration.

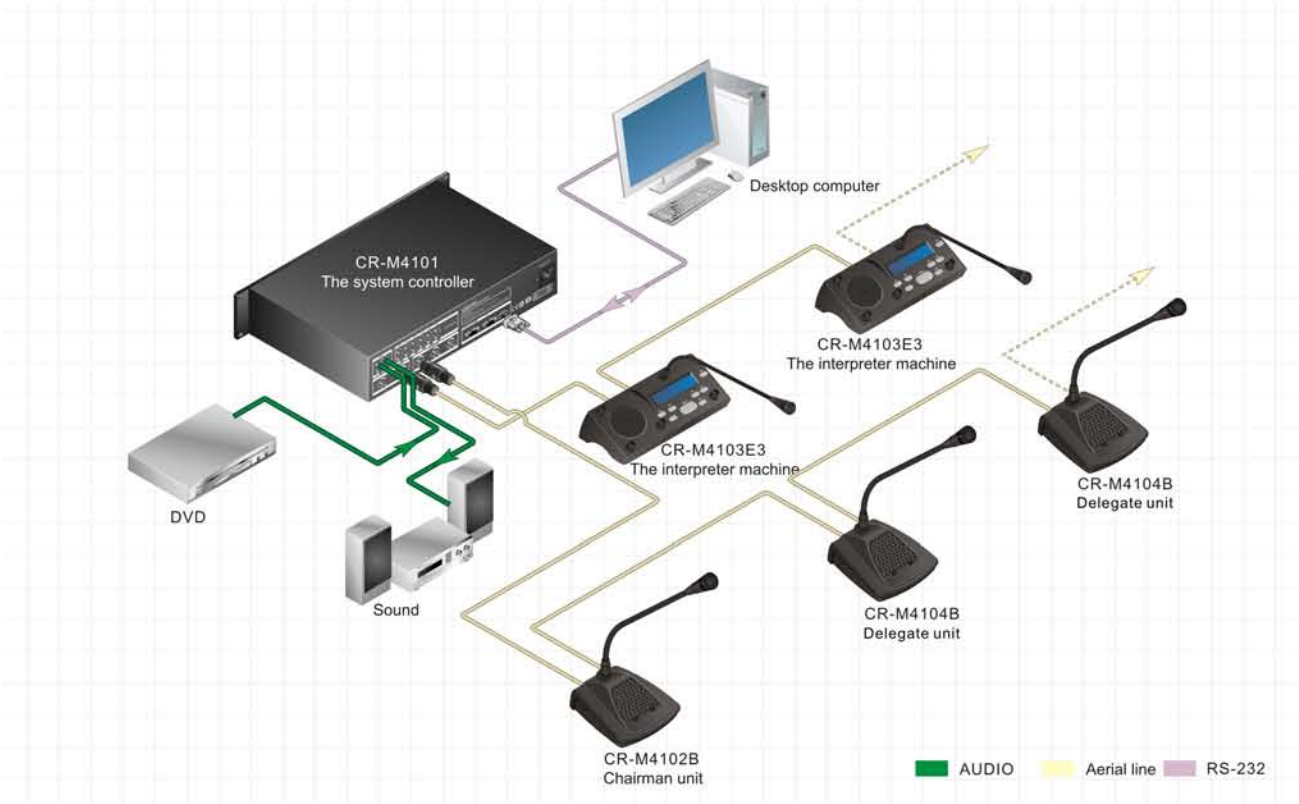
Function characteristics

- Listening and speaking with headphones.
- Using special 8 core high density aviation connector.
- Heart-shaped directive capacitance pickup; with double color indicating light; Speaking as red, applying as green.
- With 2 meters of connection cable.
- The knob type plug rod.
- With loudspeaker, earphone jack and a volume adjusting knob.
- The system controller can maximumly connect to 36 translation units for 11+1 languages simultaneous interpretation (including the original channel).
- With indirect translation and direct translation function.
- Translation units can consist of two (or more) interpreter system.
- Corresponding relationship between language and channel can be set by setting mode.
- With help application function.
- With cough relieving function.
- The translation unit can be set as monitor unit.
- With two groups of microphone and earphone interface.
- Unit is a passive device; the power is supplied by system controller; the input voltage is 24V.

Specifications

The parameter name	CR-M4103E3
Power supply	The controller power supply or DC12V
Unit interface	Aviation 8P special interface
Power consumption	2W
Headphone output	8~32Ω, 3.5mm micro socket
Power of loudspeaker	2W
Microphone type	Capacitive diaphragm
Directional characteristics	Heart
The signal-to-noise ratio (S / N)	> 80dB
Crosstalk attenuation	> 80dB
Distortion	<1%
Frequency response	60Hz ~ 18kHz
Equivalent noise	≈ 20dB SPL
The maximum SPL	105dB ( 3% threshold )
Sensitivity	22dBv/Pa
Color	Dark grey

System connection diagram



## CR-DS40A

The infrared receiving unit charging box



CR-DS40A

### Product overview

The charging box of digital infrared receiver can not only be used for charging, also can be used for storing the infrared receiver. Specially designed, when the receiver is stored in a charging box, moving or shaking box will not affect receiver.

Put CR-IR3002A into the charging box, if the indicating lamp of charging seat is red, means CR-IR3002A is charging. If indicator light is green, represents the battery is sufficient or contact is not good.

When charging the charging indicator light is red (more than 8 hours), check the contact of receiver contact piece and the charging seat is good. Full of electric charging indicator light should be green.

### Function characteristics

- Capable of charging 40 receivers.
- Universal power supply.
- The power input is connected in series.
- Fast charging: the longest charging time is 5 hours.
- The charging box also has the function of storing receiver.

### Specifications

The parameter name	CR-DS40A
Power supply	100V-240VAC
Size	494LX395WX112H ( mm )
Weight	About 5kg
Power consumption	100W
Power consumption (stand)	17W ( No receiver charging. )

### System connection diagram

