IR Simultaneous Interpretation System

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GONSIN TC-J904LC/906LC/908LC/912LC infrared interpretation system is designed to offer audio distribution for 4,6, 8 or 12 channels using advanced infrared transmission technology. The system operates in the 2-6MHz frequency range which is immune to distortion from hall lighting and free from radio interference, ideally suited for use in business and government conferences, international conventions and other multilingual applications.
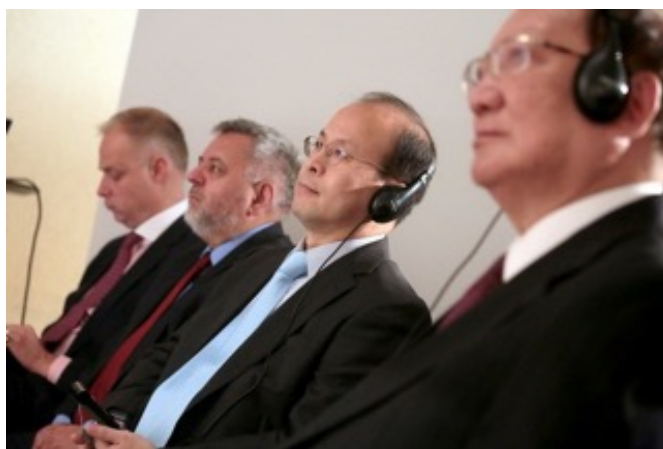
◆ IR Receiver
TC-J904LC/J906LC/J908LC/J912LC

The infrared receiver is to receive the infrared audio signal. The receiver is powered by a environment-friendly rechargeable Lithium-ion battery pack. The selected channel number, battery level, signal strength, volume can be displayed on LCD screen.The user may listen to any selected language on a personal headphone. Volume level can be adjusted through a thumbwheel switch for comfortable listening.

◆ Features

♦ Streamlined design;
♦ Language of every channel can be displayed;
♦ Unique 270° super wide reception angle;
♦ Channel selection via up/down button;
♦ Supports 4/6/8/12 channels;
♦ Chargeable lithium battery;
♦ Battery can continuously work up to 30 hours;
♦ Headphone detection function;
♦ Operating information display on the LCD;
♦ Clear sound, high fidelity;

◆ Basic Functions

♦ Light-weight and handy receiver in conjunction with headphone for easy and comfortable use;
♦ Supports 4/6/8/12/ channels;
♦ Dynamic display of battery level;
♦ Unique 270º super wide reception angle, ensuring perfect sound quality;
♦ LCD display with channel number, language name, battery and signal status indication;
♦ Headphone detection function,receiver will be off when headphone is disconnected for more than 5 minutes;
♦ Channel selection and volume control via button,easy operation;
♦ High quality audio, without co-channel interference;
♦ Volume level can be adjusted;
♦ 3.7V chargeable lithium battery;
♦ Low-consumption design, battery can continuously work up to 30 hours;
♦ Unlimited receiver number within the IR power radiation range;
♦ Freedom of movement within the range of IR power radiator;
♦ Stereo headphone available;
♦ Can be hung over the neck via a nice lanyard or fit into the shirt pocket;
♦ Light-weight and handy receiver in conjunction with headphone for easy.

◆ Technical Specifications

Frequency range	2.0~6.0 MHZ
Modulation mode	FM/ Superheterodyne PLL
Battery	3.7V Li-Ion battery
Supply voltage	2.3V~3.6V
Battery life	30hours
LCD parameter	Dimension 34mm×22mm
	Lattice 96x64
Dimension(L*W*H)	159mm×55mm×26mm
Weight	0.12Kg
Operating temperature	0~45°C
Storage temperature	-20~50°C
Package	Portable aluminum box packing

◆ IR Radiator TC-H25/35

The IR radiator emits infrared signal, which is the transit equipment between transmitter and receiver. the radiator have 2 optional power:25/35W, radiation range can reach upto 40(25w)/60(35w)meters.

◆ Features

♦ Compliant to IEC 60914 and IEC 61603;
♦ Transmitting in 2.0~6.0MHz frequency (IEC61603 BAND4);
♦ Eliminates disturbance from high frequency lighting systems;
♦ Emission power 25W/35W available;
♦ Three working status indicators;
♦ Strong emission ability;
♦ Indicator to show operation mode;
♦ Synchronization ON/OFF with transmitter;
♦ Manual/Auto power switch.

◆ Basic Functions

♦ 25w/35w emission power available, can be flexibly configured in according to the conference room;
♦ Strong emission ability, maximum radiation range 40(25w)/60(35w)meters;
♦ Standby indication, working indication, half-power indication;
♦ Signal delay adjustment function;
♦ LED displays delay parameter;
♦ Synchronization ON/OFF with transmitter;
♦ Manual half-power switch on the rear, convenient for small conferences;
♦ Temperature control: if temperature is too high, control switches to half-power with LED indication;
♦ Multi-channels use the same radiator;
♦ Radiators are connected by daisy-chain connection;
♦ Installation: fixed up by bracket or tripod stand.

◆ Technical Specifications

Frequency range	2.0 ~ 6.0 MHZ
Modulation mode	FM/Superheterodyne PLL
IR output power	25W/35W
Angle of half intensity	± 22°
Coverage range	40 (25W) / 60 (35W) meters
Transmitted power	50%/100%(min/max)
Power	110/240VAC, 50/60Hz
Weight	3.8kg
Operating temperature	0 ~ 45°C
Storage temperature	-20~50°C
Dimension (W×D×H)	450mm x 230mm x 100mm

◗ IR Transmitter TC-Z904B/906B/908/912

The transmitter is the central device of the IR simultaneous translation system, which is the central control unit. It can realize the function including system setting, expansion connection, system control, information processing etc; It has volume knob to adjust audio from each channel, and has channel detection function, which is easy for system commissioning. Within the radiation range, the transmitter capacity is not restricted.

◗ Features

♦ Compliant to IEC 60914;
♦ Compatible with any other wired simultaneous interpretation system and IR simultaneous interpretation system;
♦ Transmitting in 2.0~6.0 MHz (IEC61603　BAND4) frequency band eliminates disturbance from high frequency lighting systems;
♦ Multiple audio output/input channels;
♦ Transmitter can support up to 12 channels simultaneously;
♦ Unique channel detection function.

◗ Basic Functions

♦ Transmitting in 2~6 MHz(IEC61603　BAND4)frequency band eliminates disturbance from high frequency lighting systems;
♦ Highly privacy protection, which avoids eavesdropping and radio interference;
♦ It can be used together with wired interpretation system, and FS-FHSS wireless interpretation system;
♦ 2 BNC interfaces for high frequency signal output, each interface connects unlimited radiator quantity;
♦ Multiple output channels for recording;
♦ Multiple audio input, maximum for 12 channels simultaneously (1 floor audio+11 interpretation audio);
♦ Unique testing function, different channels has each test audio, convenient for testing;
♦ Advanced phase-locked loop technology ensures stable transmitter emission, frequency stability is 10PPM;
♦ ALC automatic level control;
♦ The input level indicator shows input level directly;
♦ 19-inch rack mounting using.

◗ Technical Specifications

Frequency Range	2.0～6.0 Mhz	Dimension (W×H×D)	485mm×325mm×90mm
Modulation mode	FM/Superheterodyne PLL	Weight	7.6kg
Channels	4/6/8/12	Operating temperature	0～45°C
Indication	Channel level indication	Storage temperature	-20～50°C
Audio input/output	Unbalance RCA X6		

◗ **Interpreter Console**
TC-F06/16

Interpreter Console is an indispensable part of simultaneous interpretation system, which is used for simultaneous translation of conference speeches by interpreters. When using, the interpreter can only connect the interpreter console with the simultaneous interpreting main control unit / discussion main control unit, and the translated speech can be transmitted to the main control unit through the interpreter unit. Through the processing and transmission by the system, the participants can listen to the speech content of various languages through the receiving unit / discussion unit. There are two types of the interpreter console Interpreter Console, which support 6 to 16 languages simultaneous interpretation.

◗ **Basic Functions**

- ♦ Support up to 6/16 channels simultaneous interpretation
- ♦ LCD screen can display various information
- ♦ Support direct interpretation and relay interpretation
- ♦ Support dual microphone translation in turn
- ♦ With microphone selection function
- ♦ 3 output volume levels adjustable
- ♦ Interpretation timing function
- ♦ Speaking speed remind function
- ♦ Pluggable dual soft tubes gooseneck microphone stem

◗ **Basic Functions**

- ♦ In compliance with IEC60914 international standard
- ♦ The design of physical buttons / knobs are sensitive with good touch, with long service life and without mechanical button sound
- ♦ It adopts 25P parallel port (1 male and 1 female) cable for hand-in-hand connection
- ♦ Automatic restoration function: supports hot plug
- ♦ Support 16 channels simultaneous interpretation(including the floor channel)
- ♦ Support direct interpretation and relay interpretation
- ♦ High brightness 128×64 graphic LCD screen with backlight: display setting information ,input and output channel information
- ♦ With channel selection button, it is convenient to select the language from all the input language channels
- ♦ With the indicator of FLOOR/RELAY input channel
- ♦ 3 input channels can be preset with corresponding shortcut button and input channel occupancy indicator
- ♦ 2 output channels can be preset with corresponding shortcut buttons. When all interpreter consoles are closed, the output channel can automatically switch to the floor channel
- ♦ Standard cardioid directional electret microphone with indicator ring; multiple soft gooseneck microphone stems can be selected (standard: 410mm, optional:310mm/510mm)
- ♦ Pluggable microphone stem; During the meeting recess, it can be disassembled for equipment maintenance.

♦ Built-in 2W loudspeaker with volume switch; Can play the floor channel or interpreted channel language

♦ With the same channel interlock function, when the output channel is preset, the occupied channel will skip automatically.

♦ MUTE key to enable a brief muting of the microphone for cough cut

♦ Speaking speed remind function, the interpreter can press the "slow" key to remind the speaker to slow down the speaking speed (The microphone's indicator ring or screen will flash)

♦ Left and right headphone output jack (3.5 mm×2), connect the headset to listen to the floor or interpreted channel language, with left and right selection buttons; headphone volume is adjustable

♦ Left and right microphone input jack (3.5 mm×2), can be connected to external microphone, with left and right selection buttons, to meet different usage scenarios

♦ Left and right recording output jack (3.5 mm×2), can be connected to recording device, with left and right selection buttons, the output audio depends on the channel listened by the interpreter console

♦ Highly resistant to mobile phone interference

♦ Interpretation timing function (timing unit: hour/minute)

◆ Technical Specifications

Installation Way	Desktop
Connection Way	Specialized 25 core connector
Display Specifications	Size: 65mm × 32mm Lattice: 128 × 64 Backlight: blue background white characters
Frequency Range	20Hz~20KHz
Sensitivity	-46 dBV/Pa
Equivalent Noise Level	20dBA(SPL)
Max. SPL	125dB(THD<3%)
THD	<0.05%
SNR	≥96dB
Microphone Type	Cardioid directional electret
Directivity	0°/180°: >20 dB (1 kHz)
MIC Stem Length	410mm (standard); 310mm/510mm (optional)
Input Impedance	2KΩ
Headphone Output Jack	3.5 mm jack×2
Microphone Input Jack	3.5 mm jack×2
Recording Output Jack	3.5 mm jack×2
Headphone Load	>16Ω
Headphone Volume	10mW
Built-in Loudspeaker	2W/8Ω
Channel Number	6/16 channel (including the floor channel)
Power supply	24V
Max. Power Consumption	<5W
Dimensions(L×W×H)	247mm×145mm×95mm(Not including the stem)
Net weight	1.2Kg
Working Temperature	0~45°C
Storage Temperature	-20~50°C

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◆ Accessories

◈ Monaural Headphone TC-D1

Color	Black ring with embedding metal
Type	Monaural mono headphone
Interface	3.5mm
Impedance	40Ω±10%
Frequency reponse range	7 Hz - 24KHz
Voltage	0.4V
Input power	8-50mW
Distortion rate	<5%
Sensitivity	L102dB±3dB

◈ Stereo Headphone TC-D3

Color	Black
Type	Stereo headphone
Interface	3.5mm
Impedance	32Ω±15%
Frequency reponse range	20-20KHz
Voltage	0.8V
Input power	30-50mW
Distortion rate	<5%

◈ Interpreter Headset TC-D4

Color	Black
Type	Stereo headset
Interface	3.5mm
Impedance	32Ω±15%
Frequency reponse range	20 - 20000Hz
Voltage	0.8V
Input power	30-50mW
Distortion rate	<1%

◈ Interpreter Cable 25P-3/5/10

Type	25P one male, one female
Length	3m/5m/10m
Interface	DB25
Note: One 3m and one 10m for one interpreter console	

Charging Case
GX-60/60B/60C

Features

♦ Intelligent charging management

♦ Independent LED indicators for charging status

♦ Portable aluminum storage case

♦ Anti-misplug design for charging port

Basic Functions

♦ Aluminum storage flight case for charging & storage

♦ Accommodates up to 60 units

♦ Independent management for each charing port, it will automaticlly charge the unit with low battery, it will stop charging if the unit is fully charged to ensure the security

♦ Independent LED indicators for charging status

♦ Charging time: 2.5 hours

♦ Anti-misplug design for charging port

♦ GX-60 is suitable for charging IR simultaneous interpretation system receivers

♦ GX-60B is suitable for charging TC-FSJ04/08/12/16 wireless simultaneous interpretation receivers, BJ-W5 voting units and BJ-W5I voting and interpretation units

♦ GX-60C is suitable for charging TC-FSJ04B/08B/12B/16B wireless simultaneous interpretation receivers.

Technical Specifications

Power input	AC100V~240V, 50/60Hz
Capacity	60 units
Charging time	2.5 hours
Charging indicator	LED indicator
Dimension (L*W*H)	680mm×430mm×245mm
Weight	11 Kg
Operating temperature	0~45°C
Storage temperature	-20~50°C

◆ System Components

ITEMS	4 channels	6 channels	8 channels	12 channels
IR Transmitter	TC-Z904B	TC-Z906B	TC-Z908	TC-Z912
IR Radiator	TC-H25/35	TC-H25/35	TC-H25/35	TC-H25/35
IR Receiver	TC-J904LC	TC-J906LC	TC-J908LC	TC-J912LC
Interpreter Console	TC-F06	TC-F06	TC-F16	TC-F16
Interpreter Headset	TC-D4	TC-D4	TC-D4	TC-D4
Headphone	TC-D1/TC-D3	TC-D1/TC-D3	TC-D1/TC-D3	TC-D1/TC-D3
Charging Case (60 units)	GX-60	GX-60	GX-60	GX-60

◆ System Configuration

IR Transmitter
TC-Z904B/906B/
908/912

Next Interpreter
Console

Next
IR Radiator

Interpreter Console
TC-F06/16

Next IR Radiator

Floor Audio

IR Radiator
TC-H25/35

IR Receiver
TC-J904LC/906LC/908LC/912LC

Audio Cable
Coaxial Cable
25-pin Cable
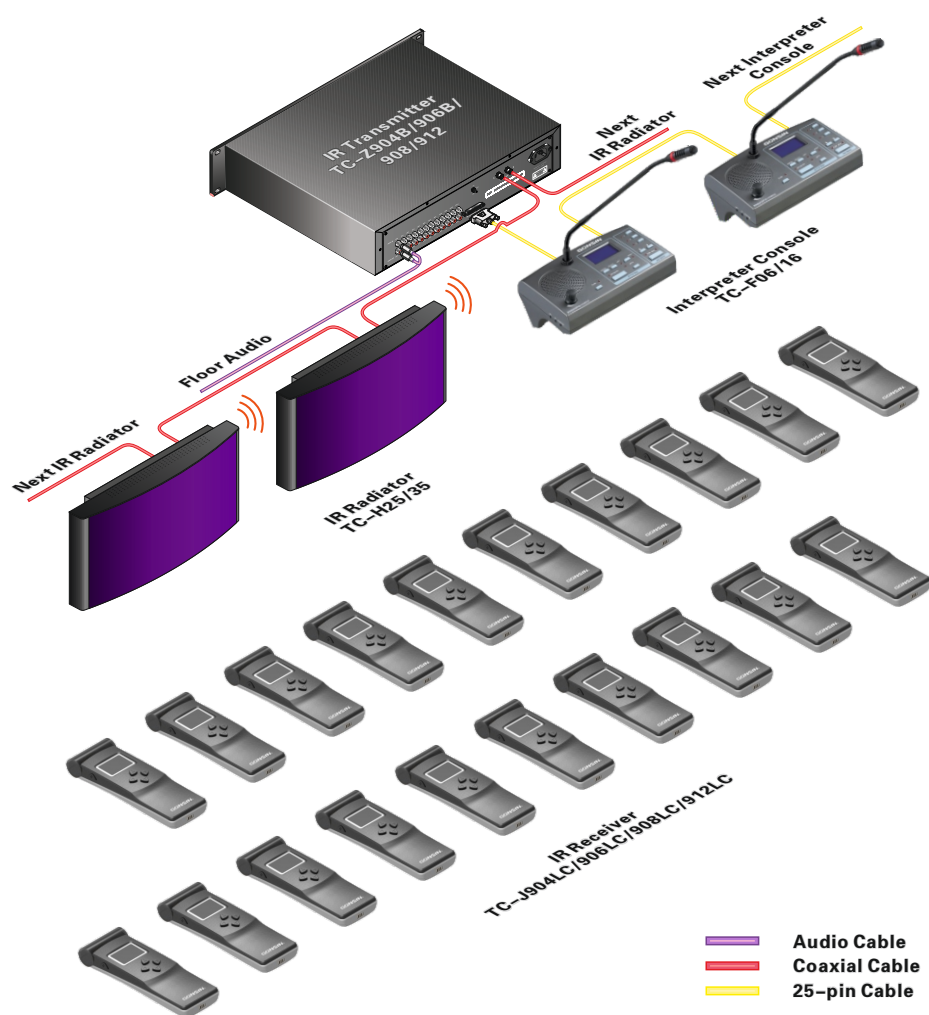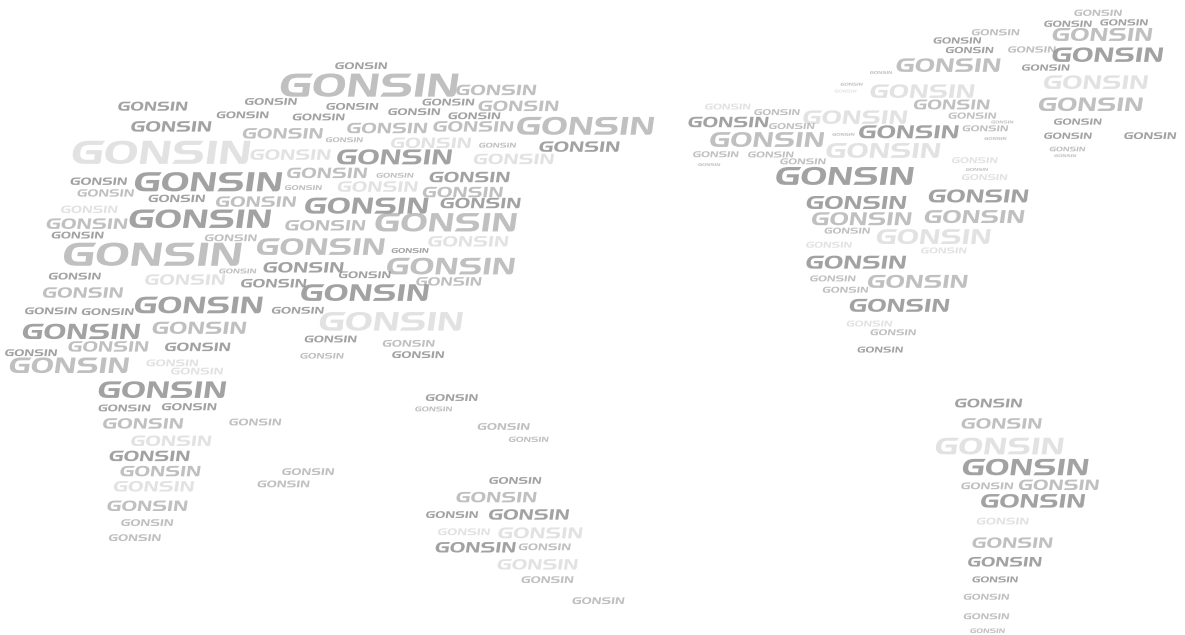
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