
YARMEE

IR Simultaneous Interpretation System



General Description

The YS-504M fits seamlessly in the chain which starts with congress Systems and continues through interpreters. With YS-504M taking care of language distribution, you know that Interpretations will always arrive in perfect condition. This system is ideal for use in business and government conferences, international conventions and other multilingual applications, offering simultaneous interpretation and wireless audio distribution for up to 8 different languages plus the floor language using state-of-the-art infrared transmission technology. It complies with the IEC industry standards, operating in the higher frequency band to avoid lighting interference.

The modular design of the Infra-Red Language Distribution System enables the required facilities to be specified in virtually any desired configuration, permitting a high degree of system flexibility.

PART ONE. System Configuration

Transmission main unit, IR Radiator, IR Receiver, Rechargeable storage box and Interpreter unit

IR Transmission main unit-YS-504M



The YS-504M Digital Transmitter is the central modulator unit in the digital infrared system. It accepts audio from the YS-504M or other compatible audio sources. The YS-504M modulates the incoming audio signals onto carrier waves, which are sent directly to one or more YS-504X Digital Infrared Radiators. The output from the radiator is then passed on to each YSN504R delegate receiver.

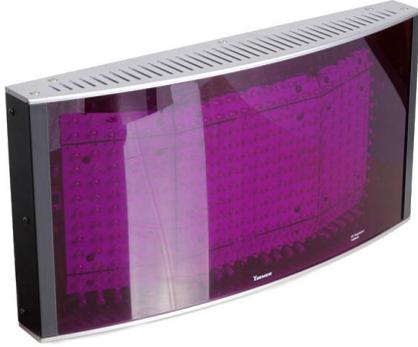
Features:

- High security, prevent external interference.
- Suitable for different conference hall
- Automatic level control function (ALC).
- No disturb under daylight lamp
- Easy to operate and save in project cost
- With the most advanced technology
- Elegant configuration in accordance to ergonomics
- Input channel direct function
- Has 4CH interpreter's voice for record
- PB test and display function
- Installed in a 19-inch frame

Technical Specifications:

- Modulation mode: FM
- Frequency synthesis: digital PLL
- Frequency band: 1.7 - 4.0MHz
- Frequency response: 100Hz-14kHz
- Frequency stability: 10ppm
- Pre-emphasis: 75 μ Sec.
- Distortion at 1 kHz: <0.5%
- Channel separation: >70dB
- RF output power level: 700mV
- RF output impedance: 50 ohms
- Input impedance: 18k ohms
- Max. input power level: 2V
- AGC range: 30dB
- S/N ratio: >75dB
- Power consumption: 40W
- Operating voltage: 230V/50Hz

IR Radiator-YS-504X



The radiators transmit at a much higher frequency (2 to 8 MHz) to completely eliminate any interference from hall lighting. Different Radiators are available to suit venues of various sizes.

Features:

- Auto switched on/off by carrier signals from transmitter unit
- Auto gain control to ensure diodes with max. efficiency
- Convection cooled for noiseless, reliable operation
- Mounted on ceiling, wall, floor stand or optional tripod
- Easily daisy-chained together to expand coverage
- Half radiator angle: $\pm 22^\circ$

Technical Specifications:

- Frequency band: 1.7 - 4.0 MHz
- Max. IR output power: 25W
- Max. coverage range: 30m
- Output level control: Low/High (50%/100%)
- Angle of half intensity: $\pm 22^\circ$
- RF output impedance: 50 ohms
- RF input voltage: 100-2000mV
- Power consumption: 55W / Stand-by 8W
- Power Supply: 230V/50Hz

Interpreter Console Unit-YS-504I



This system fits seamlessly in the chain which starts with congress systems and continues through interpreters. Under it taking care of language distribution, you know that interpretations will always arrive in perfect condition.

Features:

- Work with headset earphone
- 8CH simultaneous interpretation.
- Easy to operate, just with a single press.
- IR Transmit main unit could connect 8 interpreter's units.
- Voice adjustable and with prevention on feedback
- Delegates speak too fast; give a request for slow the speed.
- Automatic numbering on system units
- Prevention on interpreter's cough

- One interpreter's unit can be used for two interpreters in turn.
- Comfortable stereo head- phones or lightweight ear hangers which are even more unobtrusive.

IR Receiver-YSN504R

The ergonomically designed receivers fit easily into a shirt or jacket pocket. 4 different channels can be received. Easy channel selection and an ingenious coverage checking function make life easy for users and installers alike, which comes in an attractive and stylish design, easily into the hand or a shirt pocket. The comfortable lightweight DH 6021 stereo headphone is highly suited to the receiver.

Features:

- Pocket size wireless handheld unit
- Accommodates up to 4 different languages
- Channel selector and headphone connector
- Power on/off switch and volume level control
- Powered by rechargeable batteries
- Aluminum carrying cases provided for receivers
- Volume, channel and signal level display on LCD

Technical Specifications:

- Modulation mode: FM
- Frequency synthesis: digital PLL
- Carrier frequencies: 1.7 - 4.0MHz
- Frequency response: 100Hz-14kHz
- Pre-emphasis: 75 μ Sec.
- Distortion at 1 kHz: <1%
- Channel separation: >55dBA
- Frequency stability: 10ppm
- Operating voltage: 3.1V-5V
- Power consumption: 60m

Rechargeable Storage Box –YS-504C

This cabinet shall be used to recharge receiver units. The cabinet shall be stylishly designed and shall be intended for fixed installations. It shall be suitable for wall mounting and desktop use. Each charging position shall ensure high charging performance with optimum battery lifetime.

Features:

- Used to recharge the IR receivers
- Power supply: 230V/50Hz
- Storage 24 units Receiver

Accessories:

SP31--Receiver Carry case



SP04--Interpreter Cable



SP29--Interpreter Headset



SP27--Antenna Bracket



SP28---Single Earphone

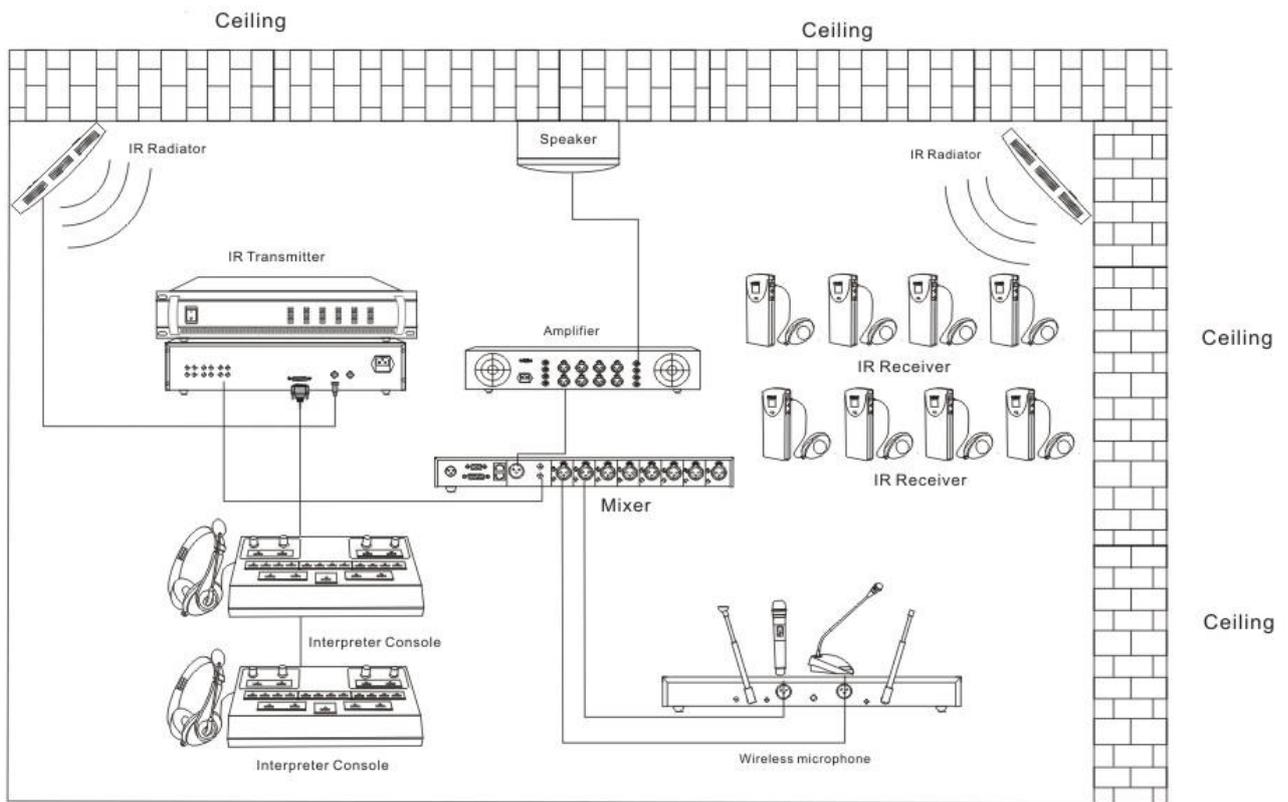


SP30--Radiator Coaxial Cable



SP24—Stereo Delegate Headphone





Cording diagram:

List of Equipment:

| Name | Model No. | Quantity |
|---------------------------|-----------|----------|
| IR Transmission main unit | YS-504M | |
| IR radiator | YS-504X | |
| Interpreter Unit | YS-504I | |
| IR Receiver | YSN504R | |
| Charging Box | YS-504C | |
| Interpreter Headset | SP29 | |
| Single Earphone | SP28 | |