

## Overview

The digital IR language distribution system is a system for wireless distribution of audio signals via infrared radiation. It can be used in a simultaneous interpretation system for international conferences where multiple languages are used. To enable all participants to understand the discussion, interpreters simultaneously translate the speaker's language as required. These interpretations are distributed throughout the conference venue, and delegates select the language of their choice and listen to it through headphones. The system can also be used for music distribution.

### Digital IR Transmitter Unit HT-6700M



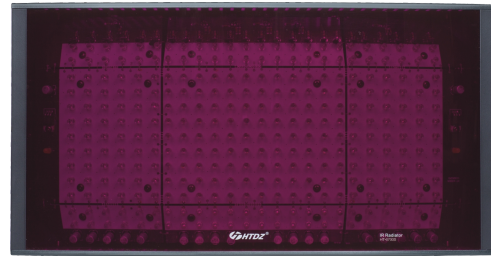
HT-6700M

- Fully digital wireless transmission technology. System conforms to IEC61603, part 7.
- 2-8MHz frequency band eliminates disturbance from all types of lighting systems.
- The system provides multi-channel 4/8/12/16 for option.
- Powerful compression techniques enable efficient, low-loss transmission.
- High security prevents external interference.
- Elegant configuration in accordance to ergonomics.

#### Technical Parameter

Modulation frequency: 2 MHz to 8 MHz  
 Protocol and modulation: DQPSK, according to IEC technique 61603 part 7  
 Frequency response: 20Hz-10kHz (-3dB) at standard quality  
 Total harmonic distortion at 1 kHz: < 0.05%  
 Crosstalk attenuation at 1 kHz: > 80dB  
 Dynamic range: > 80dB  
 Weighted signal-to noise ratio: > 80dB(A)  
 Power consumption: Operating:100W; Standby: 25W  
 Asymmetrical audio inputs: +3 dBV nominal, +6dBV maximum(±6dB)  
 HF output: 1 Vpp, 6VDC, 50Ohm  
 Interpreter console connector interface: 12P-DIN  
 Audio input:RCA x16  
 Audio output: RCA x16  
 HF output connector interface: TNC x 4  
 Power supply: 220V ~ 50Hz-60Hz  
 Dimensions:483×355×88mm ,2 U rack 19"  
 N.W: 8kg

### Digital IR Radiator HT-6700S



HT-6700S

- Radiates & distributes up to 16 channels of audio signal.
- Transmission distance more than 30 meters (25W)
- Auto switched on/off by carrier signals from transmitter unit
- Convection cooled for noiseless, reliable operation.
- Mounted on ceiling, wall, floor stand or optional tripod .
- Easily daisy-chained together to expand coverage.
- Delay compensation switch two compensate for difference in cable lengths between transmitter and radiators.

#### Technical Parameter

HF input: Nominal 1 Vpp, minimum 10mVpp  
 Angle of half intensity: ±22°  
 Total optical peak intensity: 24 W/sr  
 Power consumption: Operating: 30W; Standby:25 W  
 Transmission distance: < 30 meters/16 CH  
 Number of IREDs:312  
 Power supply: 220V ~ 50Hz-60Hz  
 Dimensions: 445×235×113mm  
 Mounting Standard: Wall bracket, Option: tripod(HT-IRT)  
 N.W 4.2kg

**Digital Interpreter Console HT-6700Y**


HT-6700Y

- Design by the latest technology.
- Work with headset earphone.
- Support 4/8/12/16 channel interpretation.
- Easy to operate, just with a single press.
- Voice adjustable and with prevention on feedback.
- Ensure that every channel is correspondent to the RELAY function respectively.
- Delegates speak too fast; give a request for slow the speed.
- Prevention on interpreter's cough.
- LCD can display input and output channel.

**Technical Parameter**

Frequency response: 50Hz – 20kHz  
 Sensitivity:  $-42 \pm 2$  dB  
 Interpreter connector interface: 12P-DIN  
 Length of gooseneck: 410mm  
 Dimensions: 300×150×70mm  
 N.W 1.7kg

**Digital IR Receiver HT-6700d**


HT-6700d

- Pocket size wireless handheld unit
- Accommodates up to 16 different languages
- Channel selector and headphone connector
- Power on/off switch and volume level control
- Powered by (2 x AA) rechargeable batteries
- No power used when headphone is disconnected
- Aluminum carrying cases provided for receivers
- 2-digit LCD display with battery and reception status indication

**Technical Parameter**

Receiving sensitivity: -101dBm  
 Angle of half sensitivity:  $\pm 50^\circ$   
 Headphone output level at 2.4V: 450mVrms (Working at maximum volume, 32-ohm headphone)  
 Headphone output frequency range: 20 Hz to 10 kHz  
 Headphone output impedance: 32 ohms  
 Max. signal-to-noise ratio: 78 dB(A)  
 Supply voltage: 1.8 to 3.6 V, nominal 2.4 V  
 Power consumption at 2.4V (battery voltage): 60mA (Working at maximum volume, 32-ohm headphone)  
 Power consumption (standby): 60 mA  
 Dimensions: 157×49×25mm  
 N.W: 150g without battery

**IR Receiver Charger Case HT-6700CG**


HT-6700CG

- Used for charging IR receivers
- High efficiency switch mode
- The charging electronics and a charging indicator LED are integrated in each receiver.
- The charging circuitry checks if a battery is present and controls the charging process receivers per charging

**Technical Parameter**

Power supply: AC110V-220V ~ 50Hz-60Hz  
 Consumption Rating: 66W  
 Maximum charging current of each unit: 220mA  
 Charge quantity: 24  
 Charging time: About 2 to 2.5 hours  
 Charging status: Red LED flashing –Charging,  
 Green LED –Full Charged  
 Dimension: 630x370x290mm  
 N.W: 10.5kg

**Repeater HT-6700L**

The standard interpreter cable length from transmitter to the first interpreter console is 10 meters, if the cable length more than 10 meters, the system should use repeater unit to boost the signals, each repeater unit can support 10 meters length.



HT-6700L

**Technical Parameter**

Consumption Rating: 1.5W  
 Support cable length: 10 meters  
 Dimension: 120x40x50mm  
 N.W: 211g

**Radiator Tripod HT-IRT**

HT-IRT

**Technical Parameter**

Shortest: 160cm  
 Highest: 370cm  
 N.W:5.4kg

**Ordering Information****Infrared Transmitter**

- HT-6700M/04 with inputs for 4 audio channels
- HT-6700M/08 with inputs for 8 audio channels
- HT-6700M/12 with inputs for 12 audio channels
- HT-6700M/16 with inputs for 16 audio channels

**Infrared Radiator**

- HT-6700S with wall installation bracket support up to 16 channels audio transmission

**Infrared Receivers**

- HT-6700d/04 for 4 audio channels
- HT-6700d/08 for 8 audio channels
- HT-6700d/12 for 12 audio channels
- HT-6700d/16 for 16 audio channels
- HT-EP110 Earphone for receivers
- HT-EP110H Headphone for receivers

The receivers can operate with rechargeable NiMH batteries or with disposable batteries. Charging circuitry is incorporated in the receiver.

**Interpreter Consoles**

- HT-6700Y/04 for 4 audio channels
- HT-6700Y/08 for 8 audio channels
- HT-6700Y/12 for 12 audio channels
- HT-6700Y/16 for 16 audio channels
- HT-EP210 Headset for Interpreter consoles

**Interpreter Extension Cable**

- HT-12P10M: 12P-DIN 10 meters extension cable  
(HT-12PXXM: XX is cable length)

**Charging Equipment**

- HT-6700CG for charging and storing 24 infrared receivers.

**Repeater**

- HT-6700L for boost the transmission signals of interpreter consoles

**Radiator Tripod**

- HT-IRT

System Connection Diagram

