

# DT 6008

## Digital IR 8-Channel Transmitter



### Configuration

DT 6008

The Digital Transmitter receives the audio input signals and modulates the digital signal. All system settings such as number of channels, channel quality and modulation frequency between 2 and 8 MHz are set on an LCD menu. There are six (6) BNC outputs to lead the signal to the radiators with RG59 cable.

The capacity of the DT 6008 transmitter is eight (8) mono standard quality channels, four (4) stereo standard quality channels, four (4) mono premium quality channels, two (2) stereo premium quality channels or a mix of the above. The audio is inserted via regular unbalanced inputs and there is a headphone jack for monitoring. Two (2) additional audio inputs are available with emergency override for life safety messages.

### Highlights

- High quality stereo audio.
- Up to 8 channels.
- Up to 180 radiators per transmitter.
- Emergency override.
- Headphone jack for monitoring.
- Sensitivity control per audio input.

### Used With

DT 6008  
DT 6032  
CU 6005  
CU 6011  
AO 6008  
AO 6004

### Requires

**Requires a radiator and receiver.**

RA 6013  
RA 6025  
DR 6004  
DR 6008  
DR 6032

### Includes

DT 6008  
19" Rack mount hardware  
System installation manual  
Line cable

Specifications		
Audio Performance	System Frequency Response	20 Hz - 10 kHz (Standard quality) / 20 Hz - 20 kHz (Premium quality)
	THD at Nominal Level	<0.05% @ 1 kHz
	Cross Talk Attenuation	> 80 dB
	Dynamic Range	> 80 dB
	Signal-to-Noise Ratio	> 80 dBA

Controls & Indicators	Power Switch	Mains on/off switch on the front panel
	LCD	2x 16 Character LCD display for status info and configuration
	Menu Push Buttons	One (1) rotary button for menu navigation and selection
	Emergency Contact	Contact on the back, when closed an emergency override message is broadcast

Interconnections	Mains Socket	Euro main s socket with built-in fuse, matching mains cable 5.58 ft. (1.7 m) included
	Radiator output	Six (6) BNC female connectors to daisy chain radiators
	Master transmitter input	One (1) BNC female connector to connect master transmitter when in slave mode
	Audio Inputs	Eight (8) unbalanced RCA audio inputs Two (2) balanced XLR audio inputs for emergency override to all channels

Power	Supply voltage	90 - 260 VAC
	Power Consumption	55 W

Physical	Dimensions (H x W x D) (without brackets)	3.5 x 18.7 x 12.5 in. (87 x 475 x 317 mm)
	Color	Black w/silver
	Unit Weight	8.8 lbs. (4.00 kg)
	Shipping Weight	10.0 lbs (4.54 kg)
	Mounting	Free-standing or mounted in a 19" rack

Capacity	Radiators	Up to 180
	Total Maximum Radiator Cable Length	approx. 2,970 ft. (900 m)

## Accessories



**DH 6021**  
**Stereo Headphones**

The DH 6021 is a comfortable, light-weight professional headset especially designed for the Digital Conferencing interpreter set. The headset features high quality transducers for excellent intelligibility and speech reproduction and a revolutionary shock-mounted close talking dynamic microphone for noise-free speech pickup. The optional soft ear pads are easily replaceable.



**DH 6023**  
**Stethoscope Stereo Headphones**

The DH 6023 is a comfortable, light-weight dynamic stereo headphone for conference and assistive listening applications. The headphones have soft ear pads that are easily replaceable and have a durable reinforced cable with a 90° stereo connector.



**DH 6025**  
**Clip Headphone**

The DH 6025 is a comfortable, light-weight single ear headphone clip for conference and assistive listening applications. The headphone has a soft ear pad that is easily replaceable and has a durable reinforced cable with a 90° connector.



**LA-161**  
**Single Ear Bud**

Single ear bud, friction fit with 1 replaceable cushion (see LA-163)



**LA-162**  
**Stereo Ear Buds**

Dual stereo ear buds, friction fit with 2 replaceable cushions (see LA-163)



**LA-164 M**  
**Ear Speaker (mono)**

Fits easily over the ear. Hard plastic. Easy to clean. Can be used with hearing aids. Our most popular earphone!



**LA-165**  
**Stereo Headphones**

Dual ear, over-the-head style headphones. Ear cushions are replaceable (see LA-167). Can also be covered (see LA-168)



**LA-166**  
**Neck Loop**

An inductive listening aid designed for hearing aid users. Worn around the neck to transmit the electro-magnetic energy of the audio signal to the hearing aid. The neck loop is compatible with any hearing aid equipped with a "T" coil.



**LA-170**  
**Behind-the-Head Stereo Headphone**

These behind-the-head stereo headphones are popular with listeners who wear hardhats or are concerned about "headphone hair." The earpieces slip over the ears and wrap around the back of the head.

## FAQ's

- Q** What is the battery life of the receivers?  
**A** 75 hours with rechargeable batteries and 200 hours with 2 alkaline AA batteries.
- Q** Is there a floor stand for the RA 6013 and RA 6025 infrared radiator?  
**A** Yes, our floor stand LA-337 can be used to mount these radiators.
- Q** How can I avoid interference between lighting and Digital IR systems?  
**A** Our Digital IR system is interference free from lighting equipment and day/sun light.
- Q** How can I mount an infrared Radiator RA 6013 or RA 6025 to the wall?  
**A** Use a Wall mounting bracket WB 6000. The bracket has 4 holes for mounting to the wall. The unit includes a template for accurate positioning.
- Q** Is it necessary to terminate unused outputs of the Digital IR transmitter or Radiators?  
**A** No, not needed. All outputs are terminated automatically.
- Q** How can I use the Digital IR for an Interpretation system?  
**A** In combination with the DCS 6000 system, the Digital IR distribution can be used for distributing the languages provided by the floor and the interpreters. This is accomplished by taking the audio outputs from the AO 600X and routing them to the inputs of the Digital IR system.