

**NEW**

## **Advanced audio for the classroom**

**A powerful teaching aid the new IR-CSX is a complete audio system that increases student awareness and lowers teaching fatigue. The one-piece ceiling mount IRR-50P is a self-contained Infrared Receiver/Amplifier with built-in sensor. It easily powers the 4 ceiling mount speakers for clean, precise audio throughout the room. Three high performance transmitters are provided with the system:**

**IRN-20 pendant style teacher's microphone with system volume control**

**IRN-30 mini handheld students' microphone**

**IRT-10 audio transmitter for MP3, CD/DVD players and other audio sources**

### **System features include:**

#### **\*Paging Override:**

**The IR-CSX integrates with the schools existing audio system so school-wide announcements can always be heard.**

#### **\*Wireless Remote:**

**A wireless remote control is included for volume adjustment of all 3 channels, and power ON/OFF.**

**\*Audio outputs are provided for external recording devices and for additional amplification.**

**\*Sensor input for even larger room coverage (requires optional sensor)**

**All components are available separately for different applications.**

#### **Optional components include:**

**IRH-15C full size handheld microphone**

**ML8-NRB line array speaker**

**IRD-60 ceiling sensor**



## IRR-50P

Ceiling / Wall Mount IR receiver



## IRN-20

Teacher microphone

## IRN-30

Student microphone



## IRT-10

Audio Transmitter



Handy remote controller

### SPECIFICATIONS

	IRR-50P (3-ch receiver / built in power amp & IR-sensor)
Sub-carrier frequencies	2.06MHz / 2.56MHz / 2.80MHz Simultaneously
Type	Super Hetero-dyne-Crystal Controlled
Modulation	FM
Frequency response /Distortion	35Hz-7.0kHz $\pm 10$ dB / less than 1%
Speaker output	5W x 4 @4 ohrms
Input terminal	Paging(100V-70V / 20v-8 ohrms / off) x 1, external sensor x 1
Output terminal	Pre out x 1 , Rec out x 1
Wireless remote controller	Power (On / OFF), Audio volume (UP /DOWN)
Power requirement	DC 15V, 28mA(Stand-by) / 560mA(1/8 w output)
Size	250 x 250 x 47 mm
Weight	約2.2kg

	IRT-10 (desk top transmitter)	IRN-20 (neck-worn transmitter)	IRN-30 (Handheld transmitter)
Sub-carrier frequencies	2.80MHz	2.06MHz	2.56MHz
Modulation		FM	
Microphone element	N/A	Uni directional ECM x2	Uni directional ECM x1
Frequency max deviation		$\leq \pm 40$ kHz	
Frequency response	50 - 10kHz $\pm 3$ dB		100 - 8kHz $\pm 3$ dB
Aux/Line input		$\phi 3.5$ mm mini jack	
Mic input	N/A		$\phi 3.5$ mm mini jack
Mic gain adjustment	N/A		from +6dB to -10dB
Input adjustment	$\times 1$		N/A
Battery type	2"AA"alkaline / 2"AA"rechaegable NiMH		1"AA"alkaline / 1"AA"rechaegable NiMH
Battery life		$> 8$ hours w/alkaline battery	
Size	100 x 64 x 27 mm	95 x 25 x 50 mm	27 x 27 x 90 mm
Weight	160g w/battery	74g w/battery	74g w/battery

#### AZDEN corporation

200 Valley Road, Suite 101, Mt. Arlington, NJ 07856

Phone: 973-810-3070, Fax: 973-810-3076

e-mail: sales@azdencorp.com, web site: www.azdencorp.com

