

## Specifications:

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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 $\pm$ 10dB / less than 1%
Speaker output	5W x 4 @4 ohms
Input terminal	Paging(100V-70V / 20v-8 ohms / off) x 1, external sensor x 1
Output terminal	Pre out x 1 、 Rec out $\times$ 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	2.2kg

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	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	FM	FM
Microphone element	N/A	Uni directional ECM x2	Uni directional ECM x1
Frequency max deviation	<±40kHz	<±40kHz	<±40kHz
Frequency response	50 – 10kHz ±3dB	100 – 8kHz ±3dB	100 – 8kHz ±3dB
Aux/Line input	φ3.5mm mini jack	φ3.5mm mini jack	φ3.5mm mini jack
Mic input	N/A	φ3.5mm mini jack	φ3.5mm mini jack
Mic gain adjustment	N/A	from +6dB to -10dB	from +6dB to -10dB
Input adjustment	×1	N/A	N/A
Battery type	2 AA alkaline / 2 AA rechargeable NiMH	1 AA alkaline / 1 AA rechargeable NiMH	1 AA alkaline / 1 AA rechargeable NiMH
Battery life	>8 hours w/alkaline battery	>8 hours w/alkaline battery	>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

Specifications

**IRR-40P Receiver**

Sub-Carrier Frequencies:	2.06MHz & 2.56MHz
Type:	Super Heterodyne – crystal controlled
Modulation:	FM
Signal-to-Noise:	>75dB A weighted
Reception Sensitivity:	>25dB $\mu$ V
Line Input Impedance:	32k ohms $\pm$ 15%
Line Output Adjustment:	– infinity to +10dBu
Audio Output:	5W x 4 @ 4 ohms
Power Requirement:	15V DC @ 2.7A (use model BC-30)
Size:	8.03" W x 9.19" D x 1.73" H (204 x 233 x 44mm)
Weight:	3.33lb (1.5kg)

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Sub-Carrier Frequencies:	2.53MHz
Modulation:	FM
Microphone Element Type:	Uni-directional electret x 1
Frequency Response:	50-9kHz $\pm$ 3dB
Ext Mic Input imped.:	2.2k $\Omega$ Ext
Mic input Jack:	3.5mm
Ext. Mic Voltage/Current:	3.5VDC @ 1mA
Mic Gain Adjustment:	+6dB to approx. -10dB
Battery Type:	1-"AA" Alkaline (1.5V) or 1-1HR-3U "AA" rechargeable Ni-MH (1.2V)
Battery Life:	>8 hours w/alkaline batteries
Size:	27 x 27 x 90mm
Weight:	74g inc./battery

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**IRN-20**

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Sub-carrier frequencies:	2.06MHz
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Modulation:	FM
Microphone element type:	Uni-directional electret x 2
Frequency response:	50-9kHz $\pm$ 3dB Ext
Mic input imped.:	2.2k $\Omega$
Ext Mic input jack:	3.5mm
Ext. Mic Voltage/Current:	3.5VDC @ 1mA
Mic gain adjustment:	+6dB to approx. -10dB
Battery type:	1-"AA" Alkaline (1.5V) or 1-1HR-3U "AA" rechargeable Ni-MH (1.2V)
Battery life:	> 8 hours w/alkaline batteries
Size:	95 x 25 x 50mm
Weight:	74g inc./battery

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### **IRD-60 Dome Sensor**

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Output:	F Connector
Power:	powered by receiver (24V @ 15mA)
Cable requirement:	RG59 – 75 ohm coaxial
Size:	3.94" x 1.18" (100x30mm)

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Weight: 6.00oz (170g) w/mounting bracket

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Total Weight 32.00 lbs

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**IRR-30P – 2-channel receiver w/ power amplifier**

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Sub-carrier frequencies: 2.06MHz & 2.56MHz

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Type: Super heterodyne – crystal controlled

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Modulation: FM

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Signal-to-Noise: >75dB A weighted

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Reception sensitivity: >25dB $\mu$ V

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Line Input impedance: 32k ohms  $\pm$ 15%

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Line Output adjustment: – infinity to +10dBu

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Audio Output: 5W x 4 @ 4 ohms P

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Power requirement: 15V DC @ 2.7A (use model BC-30)

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Size: 8.03" W x 9.19" D x 1.73" H (204 x 233 x 44mm)

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Weight: 2.86lb (1.3kg)

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**IRH-15c – 2-channel handheld transmitter**

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Sub-carrier frequencies: 2.06MHz & 2.56MHz switchable

Modulation:	FM
Microphone element type:	Uni-directional dynamic
Frequency Response:	50-8kHz $\pm$ 3dB
Battery type:	2-“AA” alkaline( 1.5V x 2 ) or 2-1HR-3U “AA” rechargeable Ni-MH (1.2V x 2 )
Battery life:	> 6 hours w/alkaline batteries
Size:	9.65" x approx.1.375" (245 x approx. 35mm)
Weight:	9.1oz (258g) w/alkaline batteries)

**IRN-10 - 2-channel chest-worn transmitter**

Sub-carrier frequencies:	2.06MHz & 2.56MHz switchable
Modulation:	FM
Microphone element type:	Uni-directional electret x 2
Frequency response:	50-9kHz $\pm$ 3dB
Ext Mic input impedance:	2.2k ohms
Ext Mic input jack:	3.5mm Ext.
Mic Voltage/Current:	3.5VDC @ 1mA (to power electret mic element)

Mic gain adjustment:	+6dB to approx. -10dB Battery type: 2-"AA" Alkaline (1.5V x 2) or 2-1HR-3U "AA" rechargeable Ni-MH (1.2V x 2)
Battery life:	> 8 hours w/alkaline batteries
Size:	3.15" H x 2.75" W x 1.06" D (80 x 70 x 27mm)
Weight:	4.3oz (120g) -w/alkaline batteries

**IRD-60 – Dome sensor**

Output:	F Connector
Power:	powered by receiver (24V @ 15mA)
Cable requirement:	RG59 – 75 ohm coaxial
Size:	3.94" x 1.18" (100x30mm)
Weight:	6.00oz (170g) w/mounting bracket
<b>Total Weight</b>	<b>32.00 lbs</b>