

## UHF 19" Dual-Channel 2-Way Sync True Diversity Receiver

Technical data sheet



### Model: SDR-5900 IrDA

SDR-5900 IrDA is a professional wireless microphone system with excellent sound quality, stable performance and useful functions. The built-in channel-scanning works with the industry-leading IrDA® 2-way channel synchronizing technology to rapidly complete setting of non-interference channels. EIA Standard 1U rack-mountable metal chassis with high contrast LCD on the front panel displays antenna selection status and setting details, as well as monitoring the battery status and input volume of the connected transmitter to ensure the best sound quality. Easily complies with school, conference, karaoke and public broadcasting requirements.

### Features

- Auto Scan quickly searches for an interference-free working channel.
- World-first patented IrDA® technology provides rapid 2-way channel sync with one click.
- Channel, frequency, RF level, AF level, antenna selection.
- Battery status of the connected transmitter.
- Pilotone, noise-detector and squelch circuits prevent noise, interference and improve operation distance.
- True diversity reception for best performance and reliability.
- Adjustable SQ. Increases receiver range with higher sensitivity and reduces interference with lower sensitivity.
- Convenient gain/volume control(s) and switchable MIC-LINE output level.
- Single channel audio output jacks: balanced XLR or unbalanced 6.3mm.
- Mixed audio output jack: balanced XLR or unbalanced 6.3mm



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Model	SDR-5900 IrDA
Chassis	EIA standard 19" metal 1U
Receiving mode	True diversity
Frequency range	UHF 500 - 960 MHz
Bandwidth	25 MHz
Channel	Dual
Preset frequencies	100
Channel sync	2-way (RX ↔ TX)
Frequency response	50 Hz - 18 KHz
Peak deviation	± 40 KHz
Sensitivity	S/N > 80 dBm at 10 dBμV
S/N ratio	> 110 dB(A)
T.H.D.	< 0.5% @ 1 KHz
Receiving antenna	Detachable at rear-end, TNC female.
Oscillation	PLL synthesized, frequency stability ± 0.005% (-10 - +60°C)
Squelch	Pilotone & Noise-cancelling dual-squelch circuit
Audio connector	Balanced XLR and unbalanced Ø6.3mm
Audio Output Adjustment	Gain control circuit for adjustment of output volume
Output level switch	MIC-LINE
Power supply	12V DC / 1.0A
Dimensions (mm)	420 × 205 × 44
Weight	1.9 kg