

Stage-100 SERIES

WIRELESS AUDIO SYSTEM

UHF 100-FREQUENCY 2-WAY SYNCHRONISING TRUE DIVERSITY RECEIVER



Features

- EIA Standard 1/2U rack-mountable metal chassis with high contrast LCD display (Channel, frequency, RF level, AF level and antenna selection).
- 100 factory preset user-selectable UHF channels.
- Battery level indicator on receiver panel monitors transmitter battery status.
- High performance THAT compander IC ensures best dynamic range as well as excellent sound quality.
- True diversity reception for best performance and reliability.
- Pilotone and noise-cancelling dual-squelch circuits eliminate noise, interference and reduce signal dropouts.
- Adjustable SQ. Increases receiver range with higher sensitivity and reduces interference with lower sensitivity.
- Auto Scan function allows quick search for an interference-free working channel from 100 presets. World-first patented IrDA technology provides rapid and precise 2-way frequency sync between the receiver and transmitter.
- Receiver provides power for Parallel Audio antenna systems to enhance reception range and signal stability.
- Audio output jacks: balanced XLR or unbalanced 6.3mm.

Available Packages

ORDER CODE: STAGE-HH (Handheld System)

- Stage-100 Wireless Receiver
- HH9000 Handheld Transmitter

ORDER CODE: STAGE-L (Lapel System)

- Stage-100 Wireless Receiver
- BP9000 Beltpack Transmitter
- LP-16L Lapel Mic

ORDER CODE: STAGE-HM (High Quality Headset System)

- Stage-100 Wireless Receiver
- BP9000 Beltpack Transmitter
- HM-221-U/O Headworn Mic (Beige)

ORDER CODE: STAGE-G (Guitar System)

- Stage-100 Wireless Receiver
- BP9000 Beltpack Transmitter
- GC-12 Guitar Lead

Specifications

Model	STAGE-100
Channel	Single
Chassis	EIA standard 19" 1/2U
Frequency range	UHF 520-675MHz (3 available bands)
Bandwidth	Up to 25MHz
Receiving mode	True Diversity
Peak deviation	±40kHz
Channel sync	2-way (receiver - transmitter)
Sensitivity	S/N > 80dBm at 10dBµV
S/N ratio	> 110dB (A)
T.H.D.	< 0.5% @ 1kHz
Frequency response	50Hz - 18kHz
Receiving antenna	Rear Panel. Detachable.
Preset channels	100
Oscillation mode	PLL synthesised, frequency stability ≤± 0.005% (-10 - +60C)
Squelch	Pilotone & Noise-cancelling dual-squelch circuit
Audio output adjustment	Gain control circuit for adjustment of output volume
Output connector	Balanced XLR and unbalanced 6.3Ø
Power supply	12V DC, 1.0A
Power consumption	12W
Dimensions (mm)	200 (W) x 44 (H) x 220 (D)
Weight (kg)	1.1

* NOTE: The above specifications are subject to change without prior notice.