

100 Channels

Microprocessor controlled LCD menu driven
UHF / VHF Diversity Wireless Microphone Systems

With improved Large Signal Performance
for multi-channel operation.

Overall Specifications

Carrier Frequency Range	UHF High Band 600 - 960 MHz	VHF High Band 160 - 260 MHz
Bandwidth per Frequency Group	25 MHz	10 MHz
Max. No. of Channel	100	
Oscillation Type	PLL Synthesized	
Frequency Stability	± 0.005%	
Peak Deviation	± 40 KHz	
Pilotone Frequency	32.768 KHz	
S/N Ratio (max.)	> 110 dB	
T.H.D.	< 0.5%	
Dynamic Range	> 110 dB	



SDR-7200
SDR-6200
SDR-6100
SDR-3100

Receiver Specifications

	SDR-7200	SDR-6200	SDR-6100	SDR-3100
No. of Channel	100			
Receiving Method	True Diversity		Diversity	
Display	LCD			
Sensitivity	-100 dBm at S/N ratio > 80 dB			
De-emphasis	50 µS			
Image Rejection	> 85 dB			
Spurious Rejection	> 85 dB			
Squelch	RF Noise Squelch & Pilotone Squelch			
Outputs	Balanced and Unbalanced			
Audio Output Level	Unbalanced : -2 dBm (1.20 V) / 5K OHM Balanced : -18 dBm (100 m V) / 600 OHM			
Antenna Socket	TNC			
Rack Mount Kit	MP-50			
Rack Size	1/2 19" rack (plastic)			



SQ-6000
SQ-6100
SQ-3000

SM-6000
SM-6100
SM-3000

Transmitters Specifications

Model Number	SQ-6000/SQ-6100	SM-6000/SM-6100	SQ-3000	SM-300
Carrier Frequency Range	UHF High Band 600 - 960 MHz		VHF High Band 160 - 260 MHz	
RF Output Power	50mW (max) **			
Spurious Emission	>60 dB below carrier			
No. of channel	100			
Pre-emphasis	50 µs			
Limiter ranger	>30dB of audio overload			
Battery	AA*2			
Battery Life(alkaline)	About 10 hours			
Charging port	yes			
Microphone Capsule	Dynamic / Condenser	Lavalier / Headset / Instrument Mic	Dynamic / Condenser	Lavalier / Headset / Instrument Mic
Line level input	—	Electric Guitar, other line level audio sources	—	Electric Guitar, other line level audio sources
Antenna	Built-in	1/4 - wave, whip antenna	Built-in	—

Approval FCC, CE

Remark : The above specifications are subject to change without prior notice.
** Output power varies from country to country.



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SDR-7200(UHF) / SDR-6200(UHF)
SDR-6100(UHF) / SDR-3100(VHF)

CHIAYO ELECTRONICS CO., LTD.

SDR-7200 / SDR-6200 SDR-6100 / SDR-3100

High Linearity

Improved Large Signal Performance

Unbeatable NEW SOUND Features

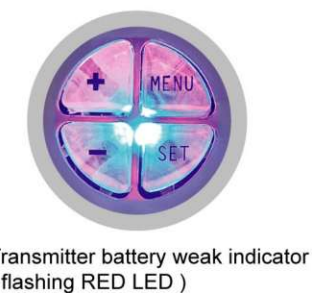
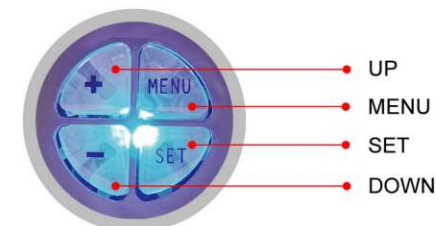
Features ▶▶

- 100 user-selectable UHF (SDR-6200 / SDR-6100) or VHF (SDR-3100) frequencies for frequency agile and interference free operation.
- User friendly, menu assisted digital operation via LCD display.
- User programmable menu driven functions such as frequency / channel display, squelch and output level.
- Advanced microprocessor control RF technology for clear reception and greater operating distance.
- MUTE function of Belt-pack enables silent ON / OFF switching.
- AUTO SCAN function searches for the cleanest frequency and simplifies multi-channel setup.
- Balanced and unbalanced audio outputs.
- True diversity reception (SDR-6200) for highest quality reception with no dropouts.
- Battery signal indicator onboard the receiver panel monitors transmitter batteries status.
- Rack mountable - 2 receivers to an industry standard 19" rack (optional).
- Liquid Crystal Display (LCD) for both receivers & transmitters .

- Excellent RF design with high sensitivity, high selectivity and high image and spurious rejections. Improved large signal performance and high linearity for multi-channel operation.
- Anti-interference Pilotone control circuitry.
- RF Noise Squelch circuit.
- 100 factory preset frequencies in 25 MHz bandwidth.
- SCAN function automatically searches for the next clean channel.

Receivers ◀

- 1/2 19" plastic casing.
- UP, DOWN, MENU, SET, function keys.
- Easy to read, programmable, multi-function LCD.
- White-in-blue LCD display (SDR-6200/SDR-6100).
- RF / AF signal strength, Diversity A / B indicators.



LCD display information ▶

- Channel / Frequency
- Volume
- Squelch level
- Auto Scan

SQ-6000 / SQ-6100 / SQ-3000

Handheld

Multi-function LCD display for Channel / Frequency, Sensitivity, Battery Level indicator, Alkaline / NiMH battery selection.

Turnable protective cap hides the function keys (POWER, UP, DOWN, SET) for fool proof operation.



▽ SQ-6000 (UHF) / SQ-3000 (VHF)

▽ SQ-6100 (UHF)



▽ Choice of various transmitter variants ▲▲

SM-6100(UHF) ▽

SM-6000(UHF) / SM-3000(VHF) ▽



SM-6000 / SM-6100 / SM-3000 Bodypack

- Support various Lavalier, Headset and Instrument mics as well as Guitar cable.
- Power-ON LED.
- Power-ON switch.
- Audio mute switch.
- Standard mini XLR 4 pins connector.
- 1/4 wave whip antenna (SM-6000 / 6100 only).

