

QR-4000U

U

4

Quad Channel Receiver Base unit with UHF Antenna Divider

Module Selection
 ① UDR-1000m
 ② SDR-6200m

No. of Receiver Module
 ① One Module
 ② Two Modules
 ③ Three Modules
 ④ Four Modules

QR-4000U Quad Receiver Base Unit Specifications

Max. no. of receiver module	Max. 4	
Max. no. of Channel	1000 * 4 (UDR-1000m * 4) / 100 * 4 (SDR-6200m * 4)	
Antenna Divider	Built-in	
Antenna Divider Bandwidth	Wideband from 600 - 900 MHz	
Antenna	TNC type	
Antenna front mount kit	FM-800	
Outputs	Balanced * 4, Mixed * 1	
Switches	Power ON / OFF, Mic / Line	
Rack size	1 U 19" rack size	
Power Supply	built-in switch mode power supply	
Receiver Module	UDR-1000m	SDR-6200m
Frequency	600 - 900 MHz	
No. of channel	1000	100
Bandwidth	25 MHz	
Channel Display	LCD	7-segment LED
Receiving Method	True Diversity	
Sensitivity	-100 dBm at SN ratio > 60 dB	
De-emphasis	50 µs	
Noise reduction	Compander	
Image rejection	> 85 dB	
Spurious rejection	> 85 dB	
Squelch	RF noise squelch, Pilotone squelch	
Controls	Power/Volume UP, DOWN, SET	Power / Volume Switch, Channel Up / Down, SQ, Scan
Audio output level	Unbalanced : +4 dBm (1.25V) / 5 KΩ Balanced : -18 dBm (50mV) / 600Ω	
Current Consumption (mA)	200	160
Compatible Transmitters	Handheld UH-2000	Handheld / Backpack UB-2000
No. of Channel	1000	100
Display	LCD	LCD
RF output power	50 mW (max) **	
Spurious emission	> 60 dB below carrier	
Pre-emphasis	00µs	
Noise reduction	Companding	
Controls	UP, DOWN, SET	UP, DOWN, SET
Battery	AA * 2 pc	AA * 2
Battery Life (Alkaline)	About 16 hrs	About 16hrs
Microphone capsule	Dynamic / Condenser type	Lavalier / Headset
Line level input	Electric Guitar, other line level audio sources	Electric Guitar, other line level audio sources
Mic in connector	n.a.	n.a.
Antenna	4 pins mini-XLR type 18-core whip antenna	4 pins mini-XLR type Built-in 18-core whip antenna
Approval	FCC, CE, ETS (Europe)	

Remark : The above specifications are subject to change without prior notice.
 ** Output power varies to suit local telecom regulations.

Accessories



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4000 Series

Quad Channel Modular PLL Synthesized
 UHF True Diversity Wireless Microphone System



- 19" metal casing with 4 receiver module slots
- Excellent large signal performance
- Built for multi-channel application
- Antenna distribution built in.
- A single switching power supply
- RoHS compliant

The heart of this series is the 1U 19" QR-4000U Quad channel base unit and the various UHF true diversity receiver modules and transmitters. The base unit has a built-in UHF wide band Antenna Divider, 4 module slots and a switching power supply. Two types of receiver modules are available: UDR-1000m with LCD display and SDR-6200m with 7-segment LED display.

Quad Channel Modular PLL Synthesized

UDR-1000m >>

Excellent RF Shield



OSQI/O 240/1000m	754.000000 RF	SWEEPON LEVEL 1000000 F 1/3
USER MODE PUSH 1/2/3	USER INFO RF	CFREQ-SEL RF

Comprehensive LCD Information >>

UDR-1000m Module

- UHF PLL Synthesized True Diversity receiving.
- 1000 user-selectable channels in 25 MHz bandwidth.
- Helical type RF front end filter ensures high selectivity.
- Excellent IF design delivers high image and spurious rejection.
- Superior large signal performance ensures multi-channel capability.
- Comprehensive LCD display.
- RF, AF, Diversity indicator.
- Frequency and Squelch level selection via UP, DOWN, SET buttons.
- Anti-interference Pilotone and RF noise squelch control circuitry.
- Balanced and Unbalanced audio output.
- 20 pins standard gold finger connection.
- Individual power switch and analog volume control.
- RoHS compliant.

UH-2000 >>



UH-2000 Handheld / UB-2000 Bodypack Transmitters

- 1000 frequencies agile.
- 50 mW** maximum transmission power.
- Very low spurious emission compliant to EU and FCC regulation.
- Built-in antenna for handheld transmitter.
- Changeable microphone capsule module.
- Selection of dynamic or condenser type microphone capsule.
- Reduced handling noise with condenser type microphone capsule.
- Handheld body coated with rubberized paint for smooth feeling.
- Frequency and Sensitivity level selection via UP, DOWN, SET buttons.
- LCD display channel, frequency, sensitivity and battery status.
- More than 16 hours of operating time with 2 pieces of AA type Alkaline battery.
- Color cap as handheld channel identifier.
- 1/4 wave whip antenna and 4-pins mini-XLR connector in bodypack transmitter.
- RoHS compliant.



UDR-4000U (S4)



SQ-7100 >>



SM-7100 >>



7 Segment LED
Channel Display



▲ SDR-6200m

SDR-6200m Module

- UHF PLL Synthesized True Diversity receiving.
- 100 user-selectable channels in 25 MHz bandwidth.
- Helical type RF front end filter ensures high selectivity.
- Excellent IF design delivers high image and spurious rejection.
- Superior large signal performance ensures multi-channel capability.
- SCAN function key performs automatic channel scanning.
- 7 segment LED display as channel indicator.
- Front panel accessible Squelch control.
- RF, AF, Diversity and Battery weak indicators.
- Anti-interference Pilotone and RF noise squelch control circuitry.
- Balanced and Unbalanced audio output.
- 20 pins standard gold finger connection.
- Individual power switch and analog volume control.
- RoHS compliant.

SQ-7100 Handheld / SM-7100 Bodypack Transmitters

- 100 frequencies agile.
- 50 mW** maximum transmission power.
- Very low spurious emission compliant to EU and FCC regulation.
- Built-in antenna for handheld transmitter.
- Changeable microphone capsule module.
- Selection of dynamic or condenser type microphone capsule.
- Reduced handling noise with condenser type microphone capsule.
- Handheld body coated with rubberized paint for smooth feeling.
- Frequency and Sensitivity selection via UP, DOWN and SET buttons.
- LCD display channel, frequency, sensitivity and battery status.
- More than 16 hours of operating time with 2 pieces of AA type Alkaline battery.
- Color cap as handheld channel identifier.
- 1/4 wave whip antenna and 4-pins mini-XLR connector in bodypack transmitter.
- RoHS compliant.