

PROFESSIONAL TWO - WAY PORTABLE TRANSCEIVER

SCV08
SCU08



THE SC SERIES FROM SMARTCOMM PROVIDES USERS WITH A COMPACT FEATURE PACKED PORTABLE TRANSCEIVER. THE SC SERIES IS AVAILABLE IN VHF (136-174 MHZ), UHF (450-480 MHZ). SOME STANDARD FEATURES INCLUDE:

- 8 CHANNELS OF OPERATION
- CTCSS (PL)
- DCS (DPL)
- BCL BUSY CHANNEL LOCKOUT
- AUTO BATTERY SAVE
- HI / LO POWER LEVELS
- RUGGED CONSTRUCTION

"think smart"

SMARTCOMM USA INC.™

www.smartcommusa.com

FEATURES

8 CHANNEL CAPABILITY- The SC series offers 8 channels of operation. Each channel can be programmed to operate in a simplex, half duplex or receive only mode.

DURABLE DESIGN- The SC series was developed to meet Mil Spec requirements allowing operation in harsh environments.

CTCSS/DCS- Programmable CTCSS/DCS per channel. Independent Encode and Decode tones/codes per channel.

STONE MONITOR- The SC series offers a tone/monitor function to allow easy switching between carrier and tone operated squelch.

BCL PER CHANNEL- Programmable Busy Channel Lockout on a per channel basis

BATTERY SAVE- The internal battery save feature allows longer use between charges by deactivating certain circuits that are not in use.

LOW BATTERY INDICATOR- The sophisticated software of the SC series has a low battery indicator. The unit will automatically reduce the output power to 1 Watt to preserve the battery life.

HI/LO POWER- Allows the user to select from two power levels

ROTARY CHANNEL SELECT- The SC series allows direct channel access through rotary channel selector.

PROGRAMMABLE CH SELECTOR TONE- Enable or disable the audio tones indicating channel selector rotation.

SPECIFICATIONS

GENERAL

	VHF	UHF
Model Number	SCV08	SCU08
Channel Capacity	1-8	
Power Supply	Rechargeable Battery 7.2VDC	
Current Drain Squelched	29 mA Typical	
	40 mA w/o battery save	
Dimensions HxWxD	5.25"x2.54"x1.3"	
Weight	15.5 oz	
Temp Range	-30 - +60 C	
Channel Increments	2.5 kHz	5/6.25 kHz

TRANSMITTER

	VHF	UHF
Frequency Range	136-174 MHz	450-482MHz
Power Output	1W/5W	1W/4W
Operating BW	15 MHz	20 MHz
Frequency Stability		
25 KhZ	± 5PPM	± 5PPM
12.5 KhZ	± 2.5 PPM	± 2.5 PPM
Mod Limiting		
25 kHz	± 5 kHz	± 5kHz
12.5 kHz	± 2.5 kHz	± 2.5 kHz
Spur/Harmonics	-70 dBc	-63 dBc
Audio Distortion	5% Max	5% Max
FM Hum & Noise	-40 dB	-40 dB
FCC Designator	16K0F3E / 14K8F1D 14K8F3D	
FCC Type Acceptance	22,74,90,210	22, 74,90,95 22,74,90,90,210

RECEIVER

	VHF	UHF
Frequency Range	136-174 MHz	450-482 MHz
Sensitivity	0.25 uV	0.25 uV
Threshold Squelch	0.20 uV	0.20 uV
Operating BW	15 MHz	20 MHz
Selectivity (Adj. Ch)	-75 dB	-70 dB
Intermodulation	-70 dB	-67 dB
FM Hum & Noise	-40 dB	-40 dB
Frequency Stability		
25 KhZ	±5PPM	±5PPM
12.5 KhZ	±2.5 PPM	±2.5 PPM
Spurious Response	-67 dB	-67 dB
Audio Output @ 8 Ohms	500 mW	500 mW
Audio Distortion	10%THD	10%THD

NOTE

Specifications subject to change without notice. Measurements made in accordance with TIA/EIA standards.

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ACCESSORIES

RCSC-21L- Rapid rate drop in charger. The RCSC-21 charger features two rapid rate wells capable of charging two batteries to full charge in 90 minutes.

SMSC- Speaker Microphone. The SMSC is a rugged light weight speaker microphone featuring an ear phone jack for noisy working environments.

LCSC8- Leather Carrying Case. The LCSC8 is designed to give your radio extra protection and allows for belt mounting.

WCSC Wall charger (14 to 16 hours)

BPSC1L- 1000 mAh NiCad Battery Pack.

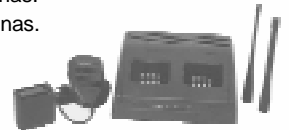
RDSCV- VHF Flexible Helical-wound Antennas.

RDCU- UHF Flexible Helical-wound Antennas.

SCV125- 12.5 kHz conversion kit for SCV.

SCU125- 12.5 kHz conversion kit for SCU.

PCSC- PC programming kit (dealers only)



Authorized Dealer