

# PROFESSIONAL TWO - WAY PORTABLE TRANSCEIVER

**SCV32**  
**SCU32**

## FIELD PROGRAMMABLE

Allows quick programming.

## PC PROGRAMMABLE

Easy to use programming software.

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 (403-430MHz) AND (450-480 MHz). SOME STANDARD FEATURES INCLUDE:

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

*"think smart"*

 SMARTCOMM USA INC.™

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# FEATURES

**32 CHANNEL CAPABILITY-** The SC series offers 32 channels of operation. Each channel can be programmed to operate in a simplex, half duplex or receive only mode.

**LARGE KEYPAD/DISPLAY-** The SC series has an easy to use keypad that is DTMF ready.

**SCAN/PRIORITY SCAN-** With Scan and Priority Scan you will not miss any important calls on the Priority Channel. The Scan and Priority features are user selectable and the Priority Channel is user programmable.

**CLONING-** The SC portable can be cloned to any other SC and will transfer all the programming data within seconds.

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

**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 in the display. The unit will automatically reduce the output power to 1 Watt to preserve the battery life.

**FUNCTION / FEATURES-** Allows the user to lock the keypad, enable display backlighting, reduce TX power level, disable audible tones.

**DIRECT/ROTARY CHANNEL SELECT-** The SC series allows direct channel access through the keypad or through the rotary channel selector.

# SPECIFICATIONS

## GENERAL

	VHF	UHF
Model Number	SCV32	SCU32A/B
Channel Capacity	1-32	
Power Supply	Rechargeable Battery 10.8VDC	
Current Drain Squelched	29 mA Typical	40 mA w/o battery save
Dimensions HxWxD	6.4"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 403-430 MHz
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	Parts 22,74 90	Parts 22, 74 90, 95

## RECEIVER

	VHF	UHF
Frequency Range	136-174 MHz	450-482 MHz 403-430 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	250 mW	250 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-21-** Rapid rate drop in charger. The RCSC-21 charger features two rapid rate wells capable of charging two batteries to full charge in 90 min.

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

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

**WCSC** Wall charger (14 to 16 hours)

**BPSC1-** 1000 mAh NiCad Battery Pack.

**RDSCV-** VHF Flexible Helical-wound Antennas.

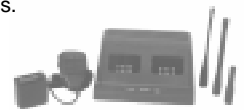
**RDSCU-** UHF Flexible Helical-wound Antennas.

**SCV125-** 12.5 kHz conversion kit for SCV.

**SCU125-** 12.5 kHz conversion kit for SCU.

**CCSC-** Cloning cable.(dealers only)

**PCSC-** PC programming kit (dealers only)



Authorized Dealer