

ADRad Communications

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Federal Communications Commission

Reference: FCCID :

O78SCU32A

Reference 731 Confirmation Number:

EA99412

Correspondence Reference Number:

17813

Applicant:

Smart Communications Ltd.

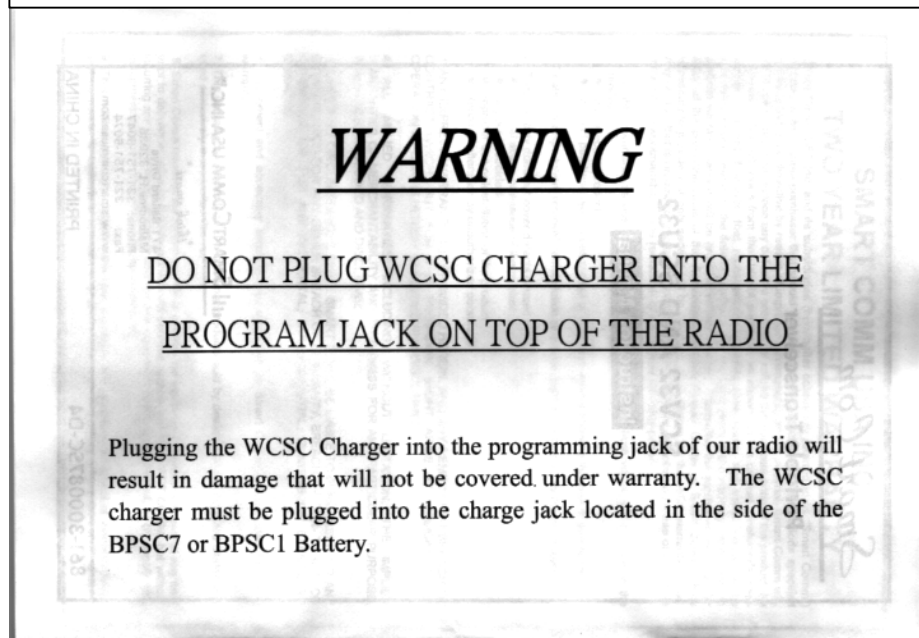
Dear Sir or Madam:

This is to confirm that the portable radio, O78SCU32A is a push to talk device with a duty cycle not exceeding 50%. In actual operation, this business/industrial unit actually sees operation on the order of 2 to 3%. It is not capable of operation in the full duplex mode and any attempt to operate in a CW mode would be cancelled by the time out timer or the battery quickly dropping below operational levels resulting in shut down. There is a metal belt clip which is used for carrying the unit in place of a holster. Normal operation would be to have the unit clipped to your belt until a call is received, remove the unit from the belt, and bring the unit up to two inches from the face and transmit.

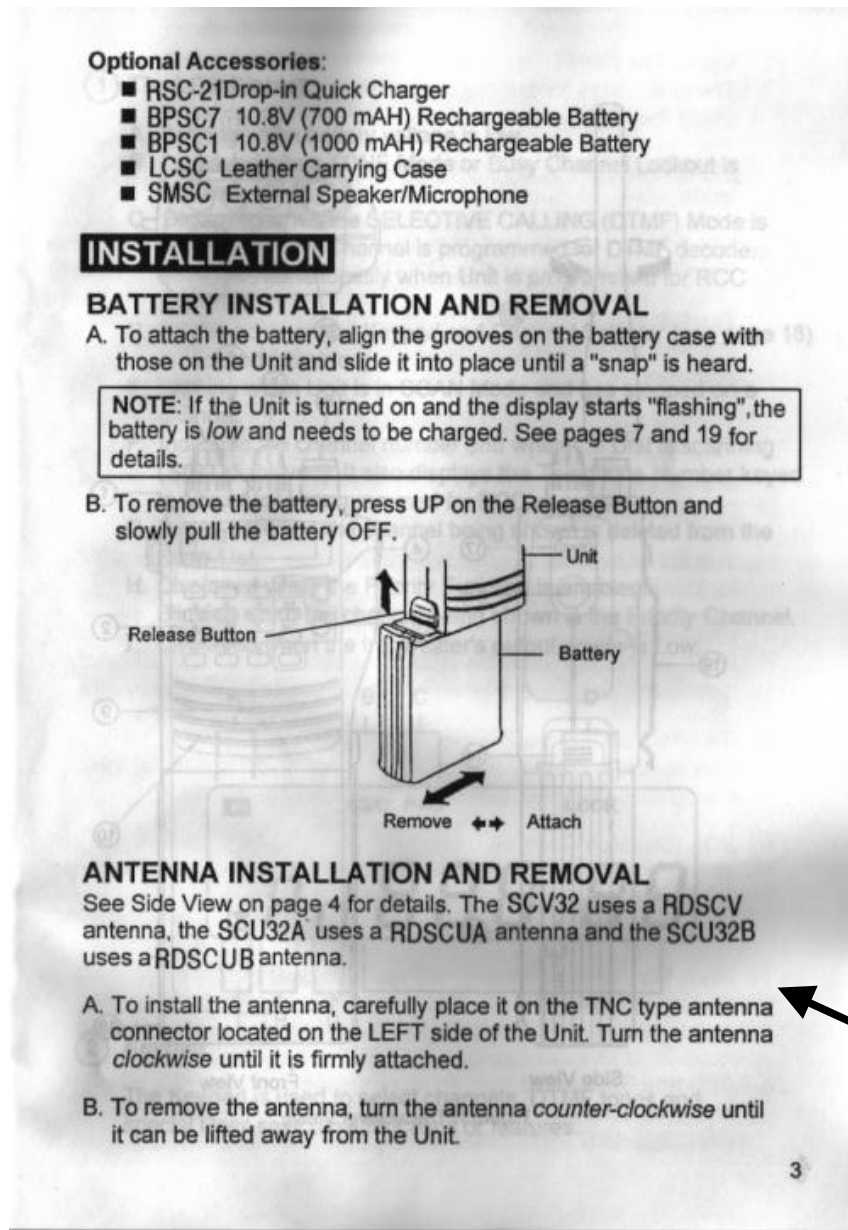
We have included sections from the operator manual which will be updated to reflect RF exposure requirements. On page two of the owners manual (shown below), the following section will be added.

Safety Information

Your portable transceiver contains a low power transmitter. When the Push-to-Talk button is pushed it sends out radio frequency (RF) signals. The device is authorized to operate at a duty factor not to exceed 50%. In August 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for hand-held wireless devices.



On page five of the owners manual, the following statement will be added as shown:



Use only the supplied antenna. Unauthorized antennas, modifications, or attachments could damage the transmitter and may violate FCC regulations.

On page 14 of the owners manual after the words "TRANSMITTER OPERATION", the following section will be added...

WARNING:

To maintain compliance with the FCC's RF exposure guidelines, this transmitter and it's antenna must be held at least two inches (5 centimeters) away from your face. Speak in a normal voice, with the antenna pointed up and away from the face at the required separation distance. The belt clip is for storage purposes only. **DO NOT TRANSMIT WHILE USING THE BELT CLIP.** To transmit, hold the device away from your body and ensure that the antenna is at least 2 inches (5 centimeters) from your body when transmitting.

BUSY CHANNEL LOCKOUT

Busy Channel Lockout (BCL) is a special TONE Mode feature, when enabled by the Dealer, that prohibits monitoring (listening to) or transmitting on a channel that is receiving a signal with an *improper* CTCSS tone or DCS Code. No matter where the Squelch Control is set, audio will NOT be heard unless the signal has the proper tone or code. The **BUSY** LED (green) will be on, but audio may not be heard. The T/M Key will be disabled and thus, the Unit can not be put into the MONITOR Mode.

TRANSMITTER OPERATION



WARNING: An FCC license is required on all transmit channels. Do NOT transmit on unlicensed channels.

WARNING: Do NOT operate this Unit close to electrical blasting caps, or in an explosive atmosphere such as fuel or solvent vapors, dust, etc.

Procedure

1. Select the desired channel. Monitor the channel for activity *before* transmitting to avoid interfering with communications already in progress. If the **BUSY** LED is ON and no audio is heard, the signal probably has a different tone than what is programmed for the channel.
2. Press and hold in the Push-to-Talk (PTT) switch located on the left side of the Unit. The Red TX LED will light and stay on as long as the PTT switch is held in.
 - a. If BCL is enabled and the channel is receiving an incorrect tone, a series of *beeps* will be heard and the Unit will NOT transmit (TX LED stays off).
 - b. Also, if the channel is Receive Only, a series of *beeps* will be heard and the Unit will NOT transmit (TX LED stays off).

HIGH/LOW Power Selection

To change the Unit's Power Output level from *High* (4 or 5 Watts) to *Low* (1 Watt), or vice versa, first put the Unit in the MANUAL Mode. Second, press and hold in the FUNC button and then press the 1 Key. A small  will appear in the display to indicate Low Power. High Power is indicated by the absence of .

Sincerely,



Walter C Simciak
Chief Engineer