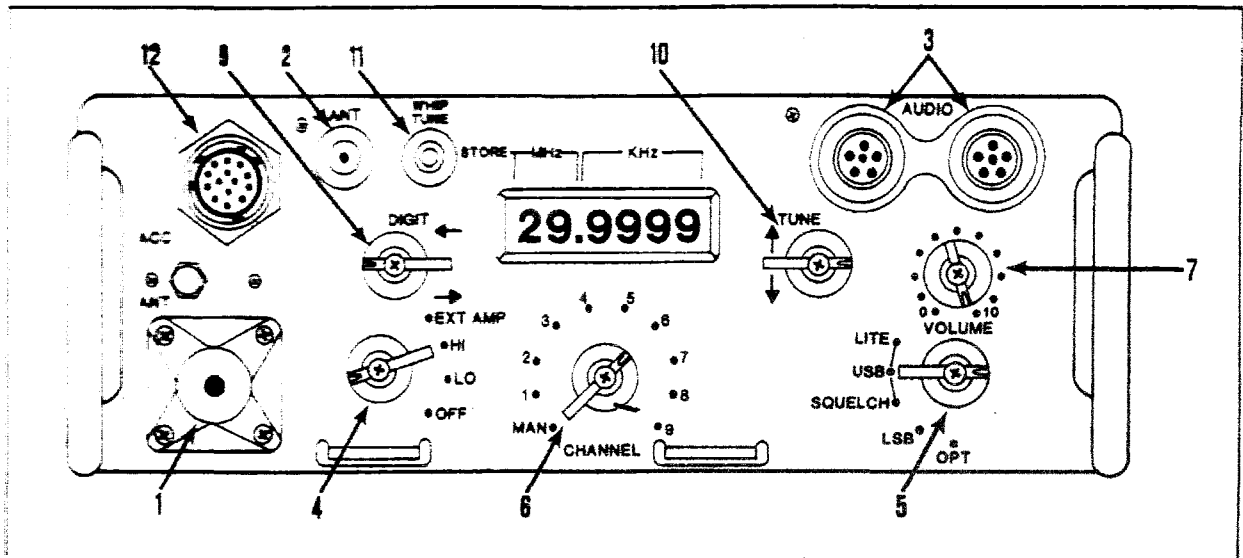


CONDENSED OPERATING INSTRUCTIONS FOR RADIO SET PRC1099



1. TO OPERATE SET

- Install the whip antenna in the antenna socket (1) OR attach 50-ohm antenna feedline to BNC antenna connector (2).
- Attach the handset to either audio connector (3). NOTE: Remote handset attaches to the right audio connector only.
- Turn the power switch (4) to the power level for the type of operation desired. (HI gives maximum range.)
- Turn the function switch (5) to USB.
- Select the desired channel number (6). NOTE: Front-panel CHANNEL switch must be in "MAN" to use remote channel switch.
- Turn the VOLUME control (7) to 5.
- Press the handset push-to-talk switch and talk into handset. Release to listen.
- Adjust volume control (7) for desired sound level.

2. TO RETUNE ANTENNA

- Depress the WHIP TUNE (11) button (Do not hold down). The antenna-tuning information is updated and stored in memory.

3. TO CHANGE CHANNEL FREQUENCIES

- Set CHANNEL switch (6) to "MAN".
- Turn the DIGIT switch (9) UP or DOWN to select the desired digit. The selected digit will flash.
- Turn the TUNE switch (10) UP or DOWN to select the correct number.
- To change the frequencies in channels 1-8, set the control (6) to the desired channel number, press and hold the store button and repeat steps 3A-3C.

4. TRANSADAPT OPERATION

- To install Selcall Code, hold the DIGIT switch (9) down until a three-digit number is displayed, enter the code using the TUNE switch (10).
- To enter TRANSADAPT Mode 1, hold DIGIT switch (9) down and press WHIP TUNE (11).
- To enter TRANSADAPT Mode 2, select channel 9 and press WHIP TUNE (11).
- To enter TRANSADAPT Mode 3, press WHIP TUNE (11). NOTE: must already be linked in TRANSADAPT Mode 2 to utilize Mode 3.

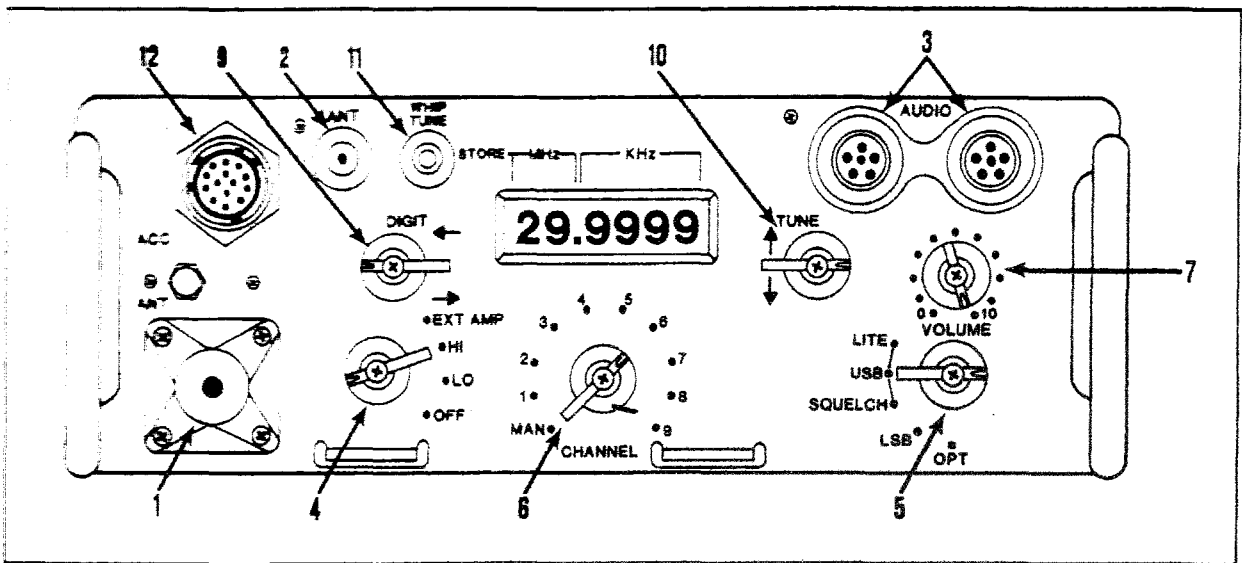
5. MEMORY DUMP FEATURE

- Hold the WHIP TUNE (11) button in, hold DIGIT Switch (9) up, switch radio on.

NOTES

- LOW BATTERY - Display flashes.
- ACCESSORY CONNECTOR (12) - Cap must be connected whenever accessory connector is not in use.
- RF OUTPUT NORMAL - Transmit sidetone is heard.

CONDENSED OPERATING INSTRUCTIONS FOR RADIO SET PRC1099



1. TO OPERATE SET

- A. Install the whip antenna in the antenna socket (1) OR attach 50-ohm antenna feedline to BNC antenna connector (2).
- B. Attach the handset to either audio connector (3). NOTE: Remote handset attaches to the right audio connector only.
- C. Turn the power switch (4) to the power level for the type of operation desired. (HI gives maximum range.)
- D. Turn the function switch (5) to USB.
- E. Select the desired channel number (6). NOTE: Front-panel CHANNEL switch must be in "MAN" to use remote channel switch.
- F. Turn the VOLUME control (7) to 5.
- G. Press the handset push-to-talk switch and talk into handset. Release to listen.
- H. Adjust volume control (7) for desired sound level.

2. TO RETUNE ANTENNA

- A. Depress the WHIP TUNE (11) button (Do not hold down). The antenna-tuning information is updated and stored in memory.

3. TO CHANGE CHANNEL FREQUENCIES

- A. Set CHANNEL switch (6) to "MAN".
- B. Turn the DIGIT switch (9) UP or DOWN to select the desired digit. The selected digit will flash.
- C. Turn the TUNE switch (10) UP or DOWN to select the correct number.
- D. To change the frequencies in channels 1-8, set the control (6) to the desired channel number, press and hold the store button and repeat steps 3A-3C.

4. TRANSADAPT OPERATION

- A. To install Selcall Code, hold the DIGIT switch (9) down until a three-digit number is displayed, enter the code using the TUNE switch (10).
- B. To enter TRANSADAPT Mode 1, hold DIGIT switch (9) down and press WHIP TUNE (11).
- C. To enter TRANSADAPT Mode 2, select channel 9 and press WHIP TUNE (11).
- D. To enter TRANSADAPT Mode 3, press WHIP TUNE (11). NOTE: must already be linked in TRANSADAPT Mode 2 to utilize Mode 3.

5. MEMORY DUMP FEATURE

- A. Hold the WHIP TUNE (11) button in, hold DIGIT Switch (9) up, switch radio on.

NOTES

1. LOW BATTERY - Display flashes.
2. ACCESSORY CONNECTOR (12) - Cap must be connected whenever accessory connector is not in use.
3. RF OUTPUT NORMAL - Transmit sidetone is heard.

CONDENSED OPERATING INSTRUCTIONS FOR RADIO SET PRC1099

CAUTION

Battery power should be between 12.0 V and 15 Vdc, with positive (+) applied to the B terminal on the battery connector (at the back of the transceiver) and negative (-) applied to the A terminal. Do not change the battery polarity or the transceiver will be seriously damaged.

3-1. Transceiver, Radio PRC1099, Controls, Indicators and Connectors (Figure 3-1)

Control, Indicator, or Connector	SW Position	Function/Action
POWER Switch	OFF	Turns transceiver off.
	LO	Turns transceiver on - Low Power, 5W.
	HI	Turns transceiver on - High Power, 20W.
	EXT AMP	Turns on the external amplifier when connected.
FUNCTION Switch	USB	Transceiver operates on the normal (upper) sideband, no squelch. Receiver squelched — no background noise. Opens when signal received. USB operation.
	SQUELCH	Transceiver operates on opposite (lower) sideband.
	LSB	Spring loaded position backlights frequency display. USB operation.
	LITE	Normally data mode.
	OPT	AME option — Transceiver operates in compatible AM (AME) mode, no squelch.
	CHANNEL Switch	MAN
Remote CHANNEL Switch (Remote handset only)	1-9	Selects pre-set channel frequencies.
	IC	Selects the manual tune position. Remote channel switch must be in the IC position to use front-panel channel switch.
DIGIT Selection	1-9	Selects preset channel frequencies.
	←	Spring Loaded - selects digit to be tuned; right to left.
TUNE Control	→	Spring Loaded - selects digit to be tuned; left to right.
	↑	Spring Loaded - increments frequency higher in 100 Hz* steps.
WHIP Tune } STORE } 3 function BITE }	↓	Spring Loaded - increments frequency lower in 100 Hz* steps. * Larger tuning steps if selected by DIGIT switch.
	DEPRESS (momentarily)	Activates automatic antenna tuner to tune whip or long wire antennas.
	DEPRESS (Hold)	Permits resetting frequency on channels 1-9.
	DEPRESS (Hold) (while turning transceiver on)	Activates BITE (Built-In-Test-Equipment) (Refer to 3-7).
Liquid Crystal Display		Displays channel frequency.
VOLUME Control		Varies receiver and sidetone volume.
Remote VOLUME Control		Varies receiver and sidetone volume to earphone. Lowest setting turns earphone off.
AUDIO Connector (2)		Provides connection for handset or audio device.
ANT Mount		Provides connection for antenna AT-271A or Long Wire Adaptor.
ANT Connector		Provides connection for fixed base or 50Ω vehicular antenna, or external power amplifier.
POWER Connector		Provides connection for external power supply when PRC1099 is used as part of vehicular radio set configurations. When the connector cover is removed, the PRC1099 is disconnected from the battery pack. Rechargeable batteries may be recharged through this connector. Provides control for external accessories such as power amplifiers.