

Citizen's Band Radio Transceiver Operating Instructions
Sheet 1 of 2
(Excerpted From Main Overall Motorcycle Premium Audio System Instruction Manual)

⚠CAUTION

Operating the CB radio without an antenna or with a broken antenna cable can result in damage to the transmitter circuitry.

CB OPERATION

SQUELCH LEVEL, CB VOLUME AND CHANNEL NUMBER

To activate the CB, press the rocker switch on the right side of the fuel tank console. See Figure 11. A light in the switch illuminates to indicate that the CB system is activated and "CB" appears in the lower portion of the LCD display.

When the CB system is first enabled, it automatically comes up in the Setup mode. To allow easy setting of squelch level, channel number and CB volume, the radio is muted so that only the CB audio can be heard (that is, provided the CB signal is strong enough to break squelch).

The CB signal is passed to the audio circuits only if the signal strength exceeds the threshold established by the squelch setting. Adjust the squelch setting with the PTT/Squelch Control Switch on the left handlebar switch assembly. See Figure 13.

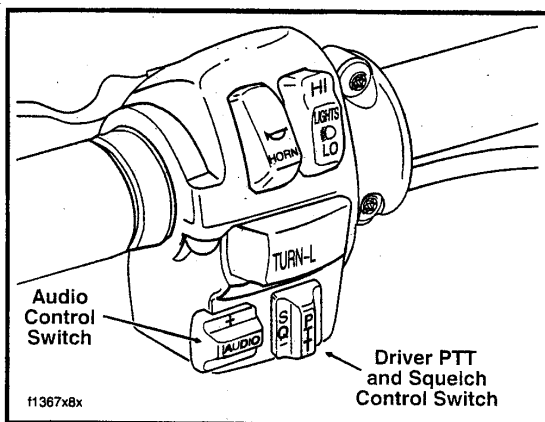


Figure 13. Left Handlebar Switch Assembly

To lower the threshold to allow processing of even the weakest CB signals, push the PTT/Squelch Control Switch toward the rear (SQ-). To raise the threshold to allow processing of only the stronger signals, push the switch forward (SQ+). The front panel LCD annunciates squelch level through a horizontal bar graph display. See O in Figure 4.

SQUELCH CONTROL SWITCH

Push Switch Rearward (SQ-)	Push Switch Forward (SQ+)
More Signals	Fewer Signals
More Noise, More Static, Unwanted Signals	Less Noise, Less Static, Better Sound Quality

Similarly, use the adjacent Audio Control Switch to adjust the volume. Push the Audio Control Switch upward (+) to raise the volume, downward (-) to lower the volume. Remember that the CB volume is only adjustable in the Setup mode and while SQUELCH is broken. The front panel LCD also annunciates volume level through a horizontal bar graph display.

While in the Setup mode, select the desired CB channel using the Mode Select Switch on the right handlebar switch assembly. See Figure 12. Momentarily push the switch upward (UP) to increment CB tuning by one channel or momentarily push it downward (DN) to decrement tuning by one channel. If the switch is held in position, tuning will rapidly increment or decrement across the CB channel range until the switch is released.

When Squelch is broken, the currently tuned channel is visible in the lower half of the front panel LCD display. If Squelch is not broken and another function is in play (such as the radio or tape drive), then the channel appears in the upper half of the display.

To exit the Setup mode, press the Mode Select Switch once. Since the Setup mode cannot be exited while SQUELCH is broken, you may wish to push the PTT/Squelch Control Switch forward (SQ+) to allow processing of fewer signals.

⚠WARNING

Set CB volume level and other parameters before riding to minimize the need for adjustments on the road. Excessive adjustment while riding is an unnecessary distraction which may lead to accident and possible personal injury.

To make additional adjustments, momentarily press the console mounted rocker switch forward to re-enter the Setup mode. Use the PTT/Squelch Control, Audio Control and Mode Select Switches to change squelch, CB volume and channel number, respectively. Once the adjustments are complete, press the handlebar mounted Mode Select Switch once to exit the Setup mode.

NOTE

While a SQUELCH break halts a SEEK or SCAN operation (as described under RADIO STATION TUNING and TAPE FAST WIND OPERATIONS), the operation is automatically resumed once the break is removed.

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To turn off the CB, press the console mounted rocker switch toward the rear. The light in the switch is extinguished and "CB" is removed from the LCD display.

LOCAL/DISTANT SWITCH

The two-position LO/DX pushbutton on the front panel alternates between Local and Distant modes. The letters "LO" or "DX" appear in the lower portion of the LCD display to indicate the mode selected. The LO/DX pushbutton functions as follows:

Local: Reduces the sensitivity of the CB receiver, thus allowing quieter receiver operation (which may result in a lack of available signals).

Distant: Increases the sensitivity of the receiver to pick up weak signals. At times, this may mean more noise and unwanted signals.

LOCAL/DISTANT SWITCH	
LOCAL MODE	DISTANT MODE
Sensitivity of Receiver Reduced.	Sensitivity of Receiver Increased.
Strong Signals	Weak Signals
Less Noise	More Noise

NOTE

Even with the Local/Distant Switch on LO(CAL) and the squelch closed, maintain a minimum distance of 20 feet from any transmitting motorcycle. At shorter distances, the signal is too strong and results in sound distortion.

CB TRANSMISSION

CB transmission is accomplished by depressing and holding either the Driver PTT Switch or the Passenger PTT Switch. See Figure 13 and Figure 15, respectively. As described under CB OPERATION, transmission is over the channel shown in the front panel LCD display.

The PTT button activates CB transmission only if the console-mounted CB rocker switch is in the ON position. Regardless of the position of the console-mounted CB and INTERCOM rocker switches, depressing either PTT Switch also initiates intra-bike communications (that is, Intercom between driver and passenger).

CB sound can be directed to either the front fairing and rear speakers or the headset speakers. For more information, see Headset/Speaker Control - Audio Routing and Mixing, page 30.

"QUIET RIDE" FEATURE

With the Intercom system turned on, persistent road and wind noises picked up by the microphone can repeatedly activate the microphone to the annoyance of the driver and passenger. If conversation is only intermittent, turn both the CB and the Intercom systems OFF using the console-mounted rocker switches and then depress and hold either the driver or passenger PTT Switch to temporarily enable the Intercom system. Both microphones are active when one or both switches are depressed. If the conversation is of a private nature, verify that the CB rocker switch is OFF so that it will not be transmitted for the entertainment of the CB community.

CB RANGE

NOTE

The CB transmitter is the most powerful allowed under Federal law, but since there is no large steel area to create a ground plane, it may not transmit as strongly as a car or truck.

Weather

In times of atmospheric disturbances, such as rain, snow (or even sunspots), your apparent CB range can be reduced, sometimes drastically.

Terrain

Buildings, hills, valleys or any elevated objects or depressions that either block or create a longer path between transmitter and receiver will reduce or completely disrupt communications.

Obstructions

Transmitting or receiving may be completely cut off under a viaduct or inside a tunnel or parking garage.

Maximum transmitting and receiving range can only be expected under stable weather conditions in flat, open country.

⚠CAUTION

There are no adjustments internal to the CB transceiver chassis that can be performed without risking non-compliance with Federal Communications Commission (FCC) rules. Refer to the original equipment manufacturer for any service required during the warranty period. For transmitter service after the warranty period, refer to a certified repair service. Any frequency determining components, such as crystals, or power determining semiconductors, etc., should only be replaced with the original component manufacturers part or equivalent. Substitutes may result in violation of FCC rules.