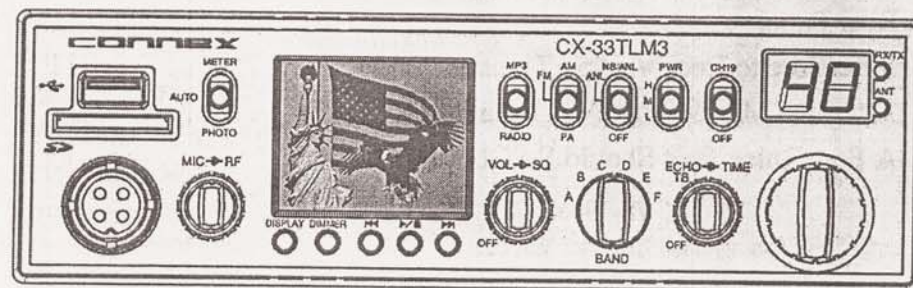


# CONNEX

## CX-33TLM3

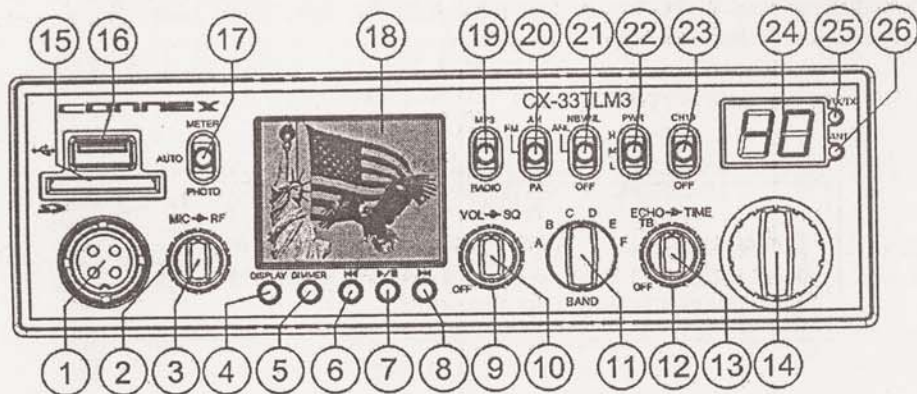
AM/FM 10 Meter Mobile  
Radio with  
TFT Display & MP3 Player



USER MANUAL

## OPERATION

### FRONT PANEL



1. **MICROPHONE JACK:** Used to connect microphone for voice source.
2. **RF GAIN CONTROL:** This control is used to reduce the gain of the RF amplifier under strong signal conditions.
3. **MIC GAIN CONTROL:** Adjust the microphone gain in the transmit and PA modes. This controls the gain to the extent that full talk power is available several inches away from the microphone. In the Public Address (PA) mode, the control functions as the volume control.
4. **DISPLAY SELECT:** This is used to select the different types of meter or photo to be used as a display.
5. **DIMMER CONTROL:** This Push Switch controls the level of brightness for the display lamp and the channel display.
6. **REVERSE:** This Push Switch is used to scroll down the Music List or to select previous track.

## OPERATION

7. **PLAY/STOP SWITCH:** This Push Switch controls the play and stop function of the MP3 player.
8. **NEXT/FORWARD SWITCH:** This Push Switch is used for selecting or skipping the next track from the Music List.
9. **SQUELCH CONTROL:** This switch is used to eliminate background noise heard through the receiver, which can be disturbing when no transmission is heard through the receiver. To use this feature, turn the switch fully counterclockwise and then turn clockwise slowly until the background noise is just eliminated. Further clockwise rotation will increase the threshold level, which a signal must overcome to be heard. Only strong signal will be heard at a maximum clockwise setting.
10. **ON/OFF VOLUME CONTROL:** This knob controls the volume and power of the radio. To turn radio on, rotate the knob clockwise. Turning the knob further clockwise increases the volume of the receiver.
11. **BAND SELECTOR:** This switch selects A, B, C, D, E or F band of operation.
12. **TIME CONTROL:** This control is used to adjust intervals of echo.
13. **ECHO/TALKBACK CONTROL:** Adjust this knob for echo and desired volume of Talkback. The Talkback is used to monitor your own voice. For example, you use this feature to compare TX audio from different microphones.
14. **CHANNEL SELECTOR:** This control is used to select a desired transmit and receive channel.
15. **SD Port:** Used for connecting SD card for Music or photo source.
16. **USB Port:** Used for connecting USB stick for Music or Photo source.
17. **METER/AUTO/PHOTO SWITCH:** In the Meter mode, the display will indicate strength of the signal being received, as well as the RF power output, modulation, and SWR. In the Photo mode, a USB stick or SD card must be plugged into the SD port to use a photo for display. In Auto mode, the display will toggle between pre-selected meter and a photo in about 3 seconds.

## RATION

**LCD DISPLAY:** The Front Panel Display allows the user to monitor signal strength, RF output power, SWR level, and it displays photo.

**MP3/RADIO SWITCH:** This switch allows you to select one of the following operating modes; MP3 Player or Radio. In the "MP3" position, you can play music is stored in the USB stick or SD card. In the "RADIO" position, the transceiver is activated.

**FM/PA SWITCH:** This switch allows you to select one of the following operating modes: AM/FM/PA. In the "AM" or "FM" position, the amateur radio is activated. In the PA position, the radio acts as public address amplifier. Your voice come out from the speaker that is plugged into the PA. SP. jack on the rear panel. radio does not operate when you are in the PA mode.

**ANL/OFF SWITCH:** In the "ANL" position, the Automatic Noise Limiter is activated. In the "NB/ANL" position, the Noise Blanking is also activated. The Noise Blanking is very effective in eliminating repetitive impulse noise such as ignition interference.

**RF POWER H/M/L SWITCH:** This switch allows you to adjust the RF power output: HI (HI), 4W (MED), 1W (LOW).

**CHANNEL 19/NORMAL SWITCH:** Channel 19 switch is used for instant access to Channel 19.

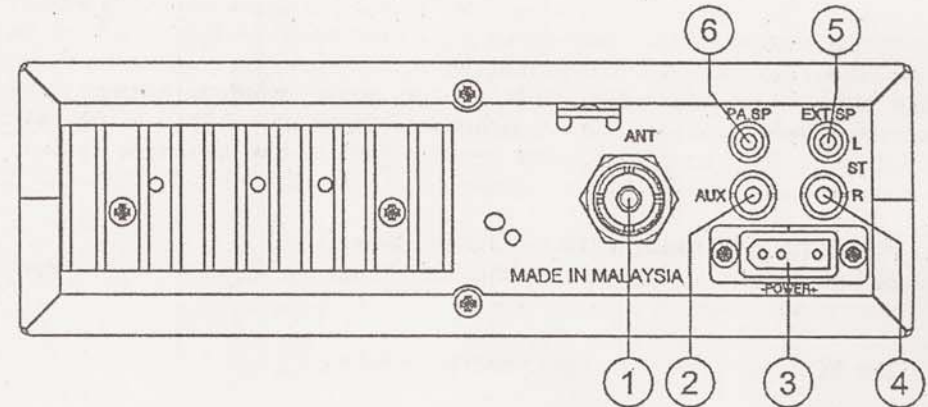
**CHANNEL DISPLAY:** The channel display indicates the current selected channel.

**RX LED:** The Red LED indicates the unit is in the transmit mode. The Blue LED indicates the unit is in the receive mode.

**SWR LED:** This LED lights red when your SWR is higher than about 3:1. This is not an exact indicator of 3:1 SWR, but it is an indication that you should check your antenna and its components.

## OPERATION

### REAR PANEL



- 1. ANTENNA:** This jack accepts 50 ohms coaxial cable with a PL-259 type plug.
- 2. AUX OUTPUT:** This Stereo 3.5 mm  $\phi$  jack, Supply 200 ohm 2V Output for external Audio Amplify.
- 3. DC POWER:** This accepts 13.8V DC power cable with built-in fuse. The power cord provided with the radio has a black and red wire. The black goes to negative and red goes to positive.
- 4. RIGHT SP:** This jack accepts 4 to 8 ohms, 5 watts external speaker. The external speaker is connected to this jack.
- 5. LEFT SP:** This jack accepts 4 to 8 ohms, 5 watts external speaker. When the external speaker is connected to this jack, the built-in speaker will be disabled.
- 6. PA SP.:** This jack is for PA operation. Before operating, you must first connect a PA speaker (8 ohms, 5W) to this jack.