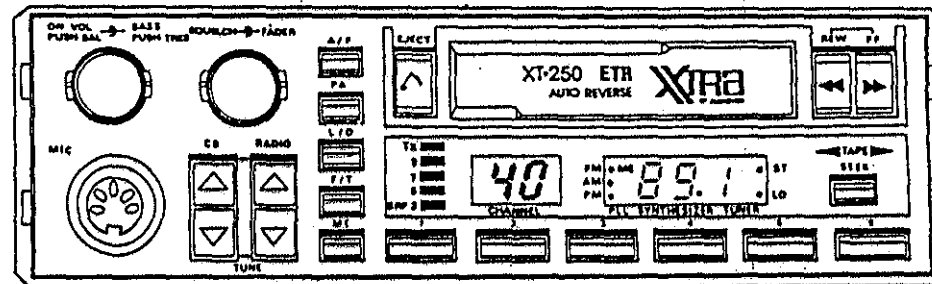
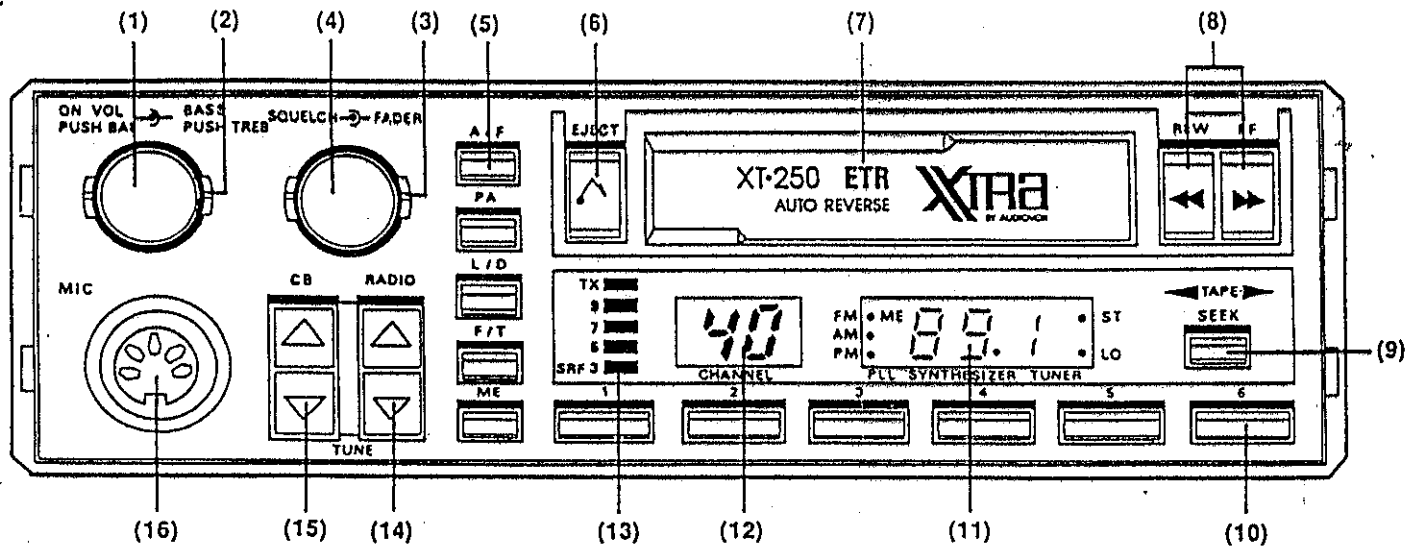




XT-250 Owner's Manual

Electronic Tuning AM/FM/MPX Radio
with Auto-Reverse Cassette Player
and 40 Channel CB Transceiver.





(1) On-Off-Volume/Balance Control

To turn the radio or CB on, turn this control clockwise until a slight click is felt. Continue turning to increase the volume level. By first pushing inward on this knob while turning it in either direction, you will vary the audio balance from the left to the right. By turning the knob clockwise (to the right) you increase the sound level of the right speakers while decreasing the left speaker level. Opposite rotation reverses the effect.

(2) Bass-Treble Control

This single rear knob performs two separate tonal adjustments unlike a single tone control. By rotating the knob clockwise you increase the bass tones without

affecting the treble tones. Once the bass level is set to your requirements, push inward on the knob while turning clockwise which will increase the treble tones. Again, adjust this knob for the most pleasing effect. You may find that the settings used for one type of music are not acceptable for other types (example: classical vs country-western).

(3) Fader Control

When four speakers are connected to this unit, rotating the rear knob will vary the sound level between the front and rear speakers. This knob should be used in conjunction with the "balance" knob for total four-speaker sound control.

(4) Squelch Control

This knob is to be used to determine how strong an incoming CB transmission must be to automatically "break-through" the radio or tape program being listened to. At low squelch settings almost all signals will be received (including background carrier noise on occasions). Higher settings require a stronger incoming signal to break through. Some experimentation will be necessary to find a suitable compromise. The squelch control has no effect on outgoing CB transmissions. Rotating the control fully counter-clockwise until a "click" is felt will completely turn off the CB and the CB display.

(5) PA Selector

The built-in CB amplifier of this unit can also be used as a loudspeaker paging amplifier. First, an external PA or horn type speaker must be connected to the "PA" jack on the rear of the unit. Once this is done, depressing and releasing the PA button on the unit will set the amplifier to the PA mode. By depressing the talk switch on the hand-held microphone and speaking into the microphone, your voice will be amplified and broadcast out the PA speaker. Whenever the unit is in the PA mode, the CB channel display will be blank. To end PA operation, re-depress and release the PA button.

A/F (AM-FM) Selector

The selection of either the AM radio band or the FM radio band is made by depressing this button then releasing it. The selected band will be displayed on the LED panel by illuminating a dot next to the AM or FM markings.

L/D (Local-Distant) Selector

This control functions in radio and CB operation. In

essence, it reduces the reception capability of the radio and CB in the "Local" mode so that only strong signals can be received. When the button is in the "local" mode, it will be indicated by illuminating a dot on the LED panel next to the "LO" symbol. Whenever the switch is in the "Distant" mode, maximum reception capability is achieved. The setting of this button will also effect the automatic "Seek" tuning operation by limiting or increasing the amount of radio stations the system will "seek" in radio mode.

F/T (Frequency-Time) Selector

In normal use, the LED panel will display the time of day. Should you want to see the radio frequency displayed depress and release this button. The radio frequency will appear for approximately eight seconds then return to time display. The button can also be used to change the radio frequency display back to time display should you not want to wait for the eight second delay.

The radio frequency will also be displayed temporarily while using any of the radio function controls (Up-Down Tuning; Seek; Station Pre-Set; F/A Selection and L/D Selection). Approximately eight seconds after the control is last used, the frequency display will change back to time display.

ME (Memory Enable) Pushbutton

This button is used for several functions. See "Setting the Clock" and "Station Preset Selectors".

(6) Cassette Eject

Once a cassette is playing, you can stop the playing and eject the cassette by firmly depressing this button. The cassette will be partly released and can be easily removed from the tape slot. Do not leave a cassette in the unit with the power off. Once the cassette is ejected, the unit automatically reverts to radio operation.

(7) Auto-Reverse Cassette Opening

The cassette mechanism is protected by a door that automatically retracts when a cassette is inserted. To "load" the cassette, verify the open tape side of the cartridge is facing to the right and slowly guide the tape into the opening until resistance is felt. A firm push on the tape will activate the loading mechanism and the tape will be drawn into the unit and begin playing. Play will continue until you eject the cassette. Once the end of the tape is reached, the system reverses automatically and begins to play the other side of the tape. This cycle will keep repeating until the cassette is ejected.

(8) Cassette Rewind-Fast Forward and Program Selector

The two indicated buttons perform three separate functions. Depressing the "REW" button will rewind the tape at rapid speed until the "FF" button is lightly pressed. Depressing the "FF" button will advance the tape at rapid speed until the "REW" button is lightly pressed. Depressing both buttons at the same time will change tape sides (if side 1 is being played it will change to side 2). Since this unit has a special logic controlled mechanism, you will find the functions of the "REW" and "FF" buttons are always the same no matter which side of the cassette is being played. Additionally, located just

above the "Seek" button you will find two illuminated arrows which show which direction the tape is moving in at a glance.

(9) Electronic Seek Tuning

The next available radio broadcast station can be quickly located when listening to one station by depressing and releasing this button. The "seek" button will automatically seek the next higher station and stop. The setting of the Local-Distant switch will greatly affect the use of this button. In the "LOCAL" mode, the seek function will skip over weak stations until it finds a strong station broadcast. In the "DISTANT" mode, it will stop at the very first station it comes to even if it is weak and almost out of range. The seek mode is automatically stopped when it finds a station or you can cancel it manually by re-depressing the button.

(10) Station Preset Selectors

Six soft-touch pushbutton selectors have been provided to enable you to memorize up to twelve different radio stations (6 AM stations and 6 FM stations). To program these selectors, refer to the following:

- a. Turn on radio, Select either AM or FM band.
- b. Select the first radio station to be programmed by using either the "Up-Down" tuning selectors or the "Seek" tuning.
- c. Depress the "ME" button and you will see an LED illuminate near the ME marking on the display for 8 seconds.
- d. You must depress the first of the six memory pre-sets within the 8 seconds. At this time the LED will go out

and the first radio station is programmed on the first pre-set button.

- e. Repeat b, c and d for the remaining five pre-sets then change to the other band and re-program the six buttons for six additional stations on the other band.

(11) Radio & Function Display Panel

This LED panel provides a visual display of all radio functions. First it shows which radio frequency is selected by displaying the numerical frequency. Secondly by illuminating a small dot near the AM or FM marking you know which band is selected (the AM also functions with PM for time display). Additionally, the "ST" marking indicates a "Stereo" broadcast while the "LO" marking indicates the "Local" mode is selected (see Local-Distant Selector). Other indications include "ME" to show the Memory Enable button is selected. Finally, the display panel will indicate the Time whenever the radio frequency is not displayed.

(12) CB Channel Display

When in CB operation, this display will illuminate and indicate which of the 40 available CB channels has been selected. If "PA" mode is selected, the display will be blank.

(13) SRF/TX Meter

In the transmit mode of CB operation, the "TX" LED will illuminate to verify signal transmission while the SRF LED's will indicate relative modulation level. In the

receive mode, the LED's indicate sequentially the strength of the incoming signal.

(14) Electronic Radio Station Tuning Selectors

To select a radio station, depress either the upward or downward pointing arrow after observing the radio display panel. A quick depress and release will increase (or decrease) the frequency one step while holding the button in will rapidly advance the digits. Note: AM radio stations advance in 10 KHz steps (530 ... 540 ... 550 ... etc.) as this is the mandatory spacing required by the FCC for radio broadcast stations. FM radio stations advance in .2 MHz steps (103.5 ... 103.7 ... 103.9 ... etc.) for the same reason. Note: For simplicity, some FM stations will advertise their call sign as an even number (example: WWDH 104 FM) and you will find you cannot tune to 104.0 FM. Only 103.9 or 104.1 can be selected. This is not a problem of the radio since no FM station can broadcast on an even digit frequency. If you listen for the "true" stations' call frequency, you will find it will be either 103.9 or 104.1. They have "rounded it out" to 104 for advertising purposes only. This was not a problem in the past when radios only had a radio dial with a moving pointer. All you had to do was move the pointer near "104" on the dial and rock it back and forth to "find" the station. Today's electronic tuners are far more precise and will locate only the exact true frequency. Fortunately, most radio stations realize the confusion they are causing and have begun broadcasting their "true" frequency.

(15) Electronic CB Channel Selectors

The two soft-touch buttons allow quick and accurate CB channel selection. To use the buttons first observe which channel is displayed on the CB Channel Display. If the channel you want is a higher number, press the button with the upward pointing arrow. If the desired channel is a lower number, depress the downward pointing arrow. Each time the selected button is briefly depressed and released, the channels will advance one digit. If the button is depressed and held in, the channels will advance rapidly.

(16) Microphone Jack

To connect the CB microphone, insert plug into this socket using care to align the keyway and tighten the nut.

Setting the Clock

The clock can be set by the following method:

1. Turn unit on and depress F/T button to display the time. (if frequency is displayed).
2. Depress and hold in the "ME" button.
3. Keeping the "ME" button depressed, depress the Radio Up tuning button to advance minutes and the Down button to advance hours. Also note the "AM" and "PM" indicators.
4. Advancing the minutes past "59" to "00" does not advance the hours.

Made in Korea

Additional Operation Notes

1. **CB Microphone** - To talk into the microphone, hold it about 6 inches from your mouth and speak clearly in a normal voice level. For you to transmit, you must depress the switch on the side of the microphone while you speak. Release it in order to hear the response.
2. **CB Antenna** - Never attempt to use the CB without a proper CB antenna connected to the CB antenna jack on the rear of the unit. A standard radio antenna connected to the radio's antenna jack is not acceptable. Consult with your dealer for the best type of CB or Tri-Band antenna for your vehicle.
3. **Cold & Heat** - Never use the cassette mode in extreme cold. Allow unit and cassette to warm up to a comfortable level first. Avoid exposing cassettes to extreme heat or direct sunlight.
4. **Cassettes** - Defective, broken, warped or otherwise damaged cassettes must never be used. C-120 (120 minute) tapes should not be used in any automotive cassette player. Use C-30, C-60 or C-90 only. Also see cold and heat warning.

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