

VHF FM TRANSCEIVER  
UHF FM TRANSCEIVER

# TK-249/TK-349

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## INSTRUCTION MANUAL

KENWOOD CORPORATION

©PRINTED IN JAPAN B62-0430-20(T, E)(MC)  
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# KENWOOD

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## UNPACKING

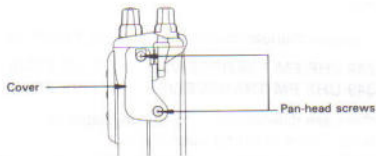
**Note:** The following instructions are for use by your KENWOOD dealer; either an authorized KENWOOD service facility, or the factory only.

Carefully unpack the transceiver. It is recommended that you identify the items listed and check them off before discarding the packing material. If any damage has occurred to the equipment during shipping, file a claim with the carrier immediately.

|   |                   |        |
|---|-------------------|--------|
| Transceiver                               | .....             | 1 ea   |
| Antenna                                   |                   |        |
| TK-249: 150 to 162 MHz (E type only)      | ....              |        |
| ..... T90-0382-XX                         | ....              | 1 ea.  |
| 162 to 174 MHz (T type only)              | ....              |        |
| ..... T90-0383-XX                         | ....              | 1 ea.  |
| TK-243: 400 to 450 MHz (T4 and NM4 types) | ....              |        |
| ..... T90-0448-XX                         | ....              | 1 ea.  |
| 450 to 520 MHz (T and E types)            | ....              |        |
| ..... T90-0380-XX                         | ....              | 1 ea.  |
| Cover                                     | ..... F07-1206-XX | 1 ea.  |
| Belt hook                                 | ..... J29-0424-XX | 1 ea.  |
| Pan-head screw                            | ..... N35-2006-XX | 1 ea.  |
| Instruction manual                        | ..... B62-0430-XX | 1 copy |

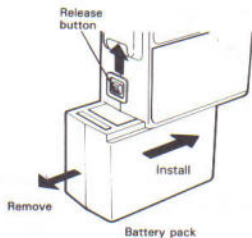
## INSTALLING THE COVER

Use the supplied pan-head screws (M2 X 6) when mounting the cover on the transceiver. Keep the original pan-head screws (M2 X 3) in a safe place and reinstall them if the cover is removed.



## INSTALLING THE BATTERY PACK

Align the grooves in the battery pack with the transceiver and slide the pack to the right until it locks in place. To remove the battery pack, push up on the release button and slide the pack to the left.

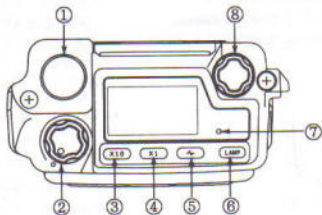


## CHARGING INFORMATION

- The battery pack is not charged at the factory. Charge the pack before use. If, after purchase or extended storage (greater than 2 months) battery capacity is found to be low, the battery needs recharging. Repeating the charge/discharge cycle 2 or 3 times will restore the battery to its normal state.
- Do not recharge the battery if already fully charged. Doing this overcharges the battery which may shorten its life or damage it.
- After recharging the battery, disconnect it from the charger. If, having recharged the battery, the power to the charger is turned off and then on again while the battery is still connected, recharging will start again and the battery will be overcharged.
- Do not short the battery terminals or dispose of the battery by fire. Never attempt to remove the case from the battery.

# ORIENTATION

## TOP PANEL



① ANTENNA connector

Connect the supplied antenna to this connector. Holding the antenna at its base, rotate the antenna clockwise to lock it in place.

② OFF/VOL control

Turn clockwise to switch the transceiver ON. Set the control at approximately 12 o'clock.

③ X 10 key <sup>1</sup>

Press to increase the selected system number by one.

④ X 1 key <sup>1</sup>

Press to increase the selected system number by one.

⑤ SQUELCH key <sup>1</sup>

Press to switch the squelch function ON or OFF.

⑥ LAMP key <sup>1</sup>

Press to switch ON the night lamp to illuminate the display. The lamp switches OFF automatically after 5 seconds.

⑦ TRANSMIT indicator

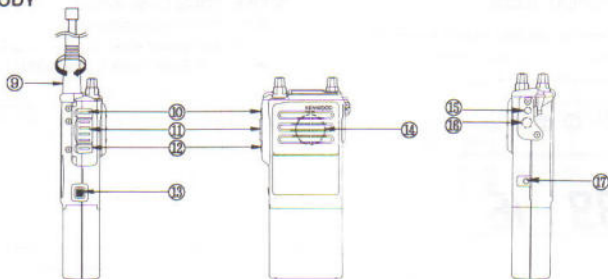
Lights red after pressing the PTT switch to select the transmit mode.

⑧ CHANNEL SELECTOR switch

Turn clockwise or counterclockwise to select your desired channel.

<sup>1</sup> May be programmed by dealer with different functions.

## TRANSCEIVER BODY



**9 ANTENNA**

Rotate clockwise to lock it in place.

**10 MONITOR switch <sup>1</sup>**

Allows the user to listen for traffic on the currently selected channel before transmitting. The speaker emits a short beep when this switch is pressed.

**11 PTT (Push-to-Talk) switch**

Press to transmit.

**12 CALL switch <sup>1</sup>**

Press to transmit the Five Tone Code.

**13 BATTERY RELEASE button**

See "INSTALLING THE BATTERY PACK".

**14 Built-in SPEAKER**

**15 EARPHONE jack**

Accepts an 8-ohm earphone plug.

**16 MICROPHONE jack**

Accepts an external speaker/microphone plug. The KMC-8A speaker/microphone is designed for use with this transceiver.

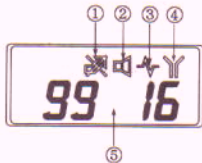
**17 EXTERNAL DC jack**

An external power source (7.0 to 16 V DC) may be connected.

<sup>1</sup> May be programmed by dealer with different functions.

## LIQUID CRYSTAL DISPLAY (LCD)

The indicators visible on the display may differ from those shown depending on how your dealer has programmed the transceiver.




- ⑤ FIVE TONE Code indicator/CHANNEL indicator  
If the mobile is programmed for dual display, appears when the transceiver is switched ON. Indicates the operating Five Tone Code number/Channel number.

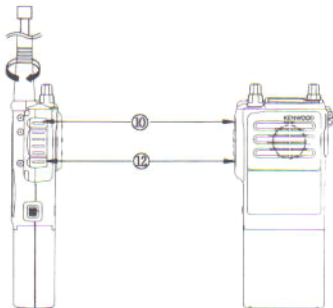
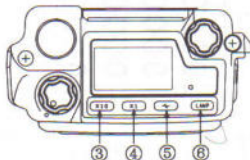
- ① BUSY indicator  
Appears when the channel is in use thereby alerting the user not to transmit.
- ② MONITOR indicator  
Appears when the Monitor switch is ON. Flashes or remains ON if a signal is present on the channel.
- ③ SQUELCH indicator  
Appears when the squelch function is OFF.
- ④ CHANNEL ENTRY MODE indicator  
Appears when in channel entry mode.

## KEY DEFINITIONS

### TRANSCEIVER

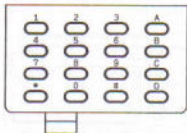
| Key   | Functions |       |         |
|---|-----------|-------|---------|
|   | PRESS     | SHIFT | RELEASE |
| ③ X 10  |           |       |         |
| ④ X 1   |           |       |         |
| ⑤  |           |       |         |
| ⑧ LAMP  |           |       |         |
| ⑩ MONI  |           |       |         |
| ⑫ CALL  |           |       |         |

- **PRESS:** The function is executed immediately after pressing a key.
- **SHIFT:** Used for initiating secondary functions. The function is executed by pressing the SHIFT key first, and then a key.
- **RELEASE:** The function is executed if a key is released before the maximum hold-time for the key has expired.





DTP-1 KEYPAD (OPTION)



| Key | Functions |       |         |
|-----|-----------|-------|---------|
|     | PRESS     | SHIFT | RELEASE |
| 0   |           |       |         |
| 1   |           |       |         |
| 2   |           |       |         |
| 3   |           |       |         |
| 4   |           |       |         |
| 5   |           |       |         |
| 6   |           |       |         |
| 7   |           |       |         |
| 8   |           |       |         |
| 9   |           |       |         |
| A   |           |       |         |
| B   |           |       |         |
| C   |           |       |         |
| D   |           |       |         |
| *   |           |       |         |
| #   |           |       |         |

# CHANNEL CHART

| KENWOOD Model TK-_____       |          |          |           | Serial No.:_____                    |          |          |           |
|------------------------------|----------|----------|-----------|-------------------------------------|----------|----------|-----------|
| CH No.                       | RX Freq. | TX Freq. | Signaling | CH No.                              | RX Freq. | TX Freq. | Signaling |
|                              |          |          |           |                                     |          |          |           |
|                              |          |          |           |                                     |          |          |           |
|                              |          |          |           |                                     |          |          |           |
|                              |          |          |           |                                     |          |          |           |
|                              |          |          |           |                                     |          |          |           |
|                              |          |          |           |                                     |          |          |           |
|                              |          |          |           |                                     |          |          |           |
|                              |          |          |           |                                     |          |          |           |
|                              |          |          |           |                                     |          |          |           |
| Dealer Name & Address:       |          |          |           |                                     |          |          |           |
|                              |          |          |           |                                     |          |          |           |
| Dealer Tel.: ( _____ ) _____ |          |          |           | Date Purchased: ____ / ____ /19____ |          |          |           |

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