

KENWOOD

INSTRUCTION MANUAL



VHF FM TRANSCEIVER

TK-7360

UHF FM TRANSCEIVER

TK-8360

JVC KENWOOD Corporation

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THANK YOU

We are grateful you have chosen **Kenwood** for your personal mobile applications.

This instruction manual covers only the basic operations of your mobile radio. Ask your dealer for information on any customized features they may have added to your radio.

NOTICES TO THE USER

- ◆ Government law prohibits the operation of unlicensed transmitters within the territories under government control.
- ◆ Illegal operation is punishable by fine and/or imprisonment.
- ◆ Refer service to qualified technicians only.

SAFETY: It is important that the operator is aware of, and understands, hazards common to the operation of any transceiver.



WARNING

- ◆ **EXPLOSIVE ATMOSPHERES (GASES, DUST, FUMES, etc.)**
Turn OFF your transceiver while taking on fuel or while parked in gasoline service stations. Do not carry spare fuel containers in the trunk of your vehicle if your transceiver is mounted in the trunk area.
- ◆ **INJURY FROM RADIO FREQUENCY TRANSMISSIONS**
Do not operate your transceiver when somebody is either standing near to or touching the antenna, to avoid the possibility of radio frequency burns or related physical injury.
- ◆ **DYNAMITE BLASTING CAPS**
Operating the transceiver within 500 feet (150 m) of dynamite blasting caps may cause them to explode. Turn OFF your transceiver when in an area where blasting is in progress, or where "TURN OFF TWO-WAY RADIO" signs have been posted. If you are transporting blasting caps in your vehicle, make sure they are carried in a closed metal box with a padded interior. Do not transmit while the caps are being placed into or removed from the container.

Firmware Copyrights

The title to and ownership of copyrights for firmware embedded in Kenwood product memories are reserved for JVC KENWOOD Corporation.

PRECAUTIONS

Observe the following precautions to prevent fire, personal injury, and transceiver damage.

- Do not attempt to configure the transceiver while driving; it is too dangerous.
- Do not disassemble or modify the transceiver for any reason.
- Do not expose the transceiver to long periods of direct sunlight, nor place it near heating appliances.
- If an abnormal odor or smoke is detected coming from the transceiver, switch the transceiver power off immediately, and contact your **Kenwood** dealer.
- Use of the transceiver while you are driving may be against traffic laws. Please check and observe the vehicle regulations in your area.
- Do not use options not specified by **Kenwood**.



CAUTION

- ◆ The transceiver operates in 12 V negative ground systems only! Check the battery polarity and voltage of the vehicle before installing the transceiver.
- ◆ Use only the supplied DC power cable or a **Kenwood** optional DC power cable.
- ◆ Do not cut and/or remove the fuse holder on the DC power cable.



WARNING

For passenger safety, install the transceiver securely using the supplied mounting bracket and screw set so the transceiver will not break loose in the event of a collision.

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GETTING STARTED

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

SUPPLIED ACCESSORIES

Carefully unpack the transceiver. We recommend that you identify the items listed below before discarding the packing material. If any items are missing or have been damaged during shipment, file a claim with the carrier immediately.

DC power cable (with fuses)	1
• 10 A fuse	4
Mounting Bracket	1
Screw set	
• 5 x 16 mm self-tapping screw	4
• Hex-headed screw with washer	4
• Spring washer	4
• Flat washer	4
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PREPARATION



WARNING

Various electronic equipment in your vehicle may malfunction if they are not properly protected from the radio frequency energy which is present while transmitting. Typical examples include electronic fuel injection, anti-skid braking, and cruise control. If your vehicle contains such equipment, consult the dealer for the make of vehicle and enlist his/her aid in determining if they will perform normally while transmitting.

■ Power Cable Connection



CAUTION

The transceiver operates in 12 V negative ground systems only! Check the battery polarity and voltage of the vehicle before installing the transceiver.

- 1 Check for an existing hole, conveniently located in the firewall, where the power cable can be passed through.
 - If no hole exists, use a circle cutter to drill a hole, then install a rubber grommet.
- 2 Run the power cable through the firewall and into the engine compartment.
- 3 Connect the red lead to the positive (+) battery terminal and the black lead to the negative (-) battery terminal.
 - Place the fuse as close to the battery as possible.
- 4 Coil the surplus cable and secure it with a retaining band.
 - Be sure to leave enough slack in the cables so the transceiver can be removed for servicing while keeping the power applied.

■ Installing the Transceiver



WARNING

For passenger safety, install the transceiver securely using the supplied mounting bracket and screw set, so the transceiver will not break loose in the event of a collision.

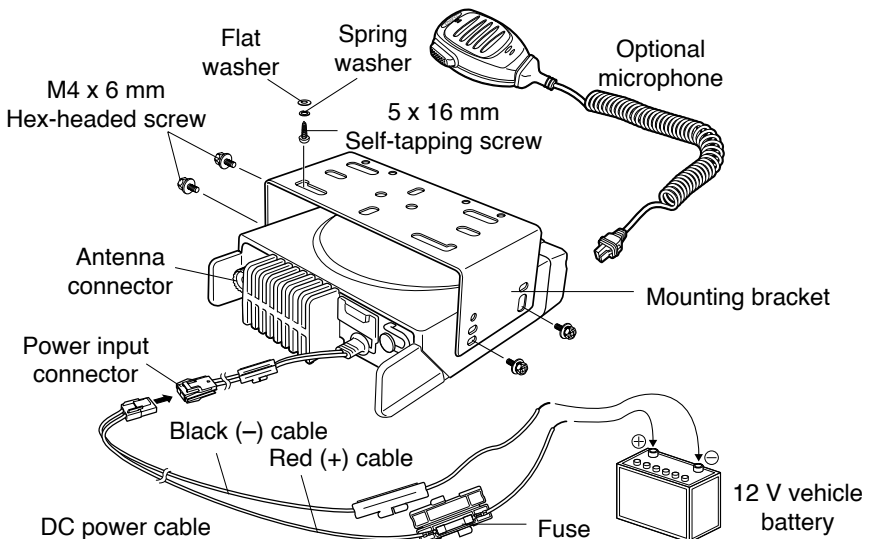
Note: Before installing the transceiver, check how far the mounting screws will extend below the surface. When drilling mounting holes, be careful not to damage vehicle wiring or parts.

- 1 Mark the position of the holes in the dash, using the mounting bracket as a template. Using a 4.2 mm (5/32 inch) drill bit, drill the holes, then attach the mounting bracket using the supplied screws.
 - Mount the transceiver within easy reach of the user and where there is sufficient space at the rear of the transceiver for cable connections.
- 2 Connect the antenna and the supplied power cable to the transceiver.
- 3 Slide the transceiver into the mounting bracket and secure it using the supplied hex-headed screws.
- 4 Mount an optional microphone hanger in a location where it will be within easy reach of the user.
 - The optional microphone and microphone cable should be mounted in a place where they will not interfere with the safe operation of the vehicle.



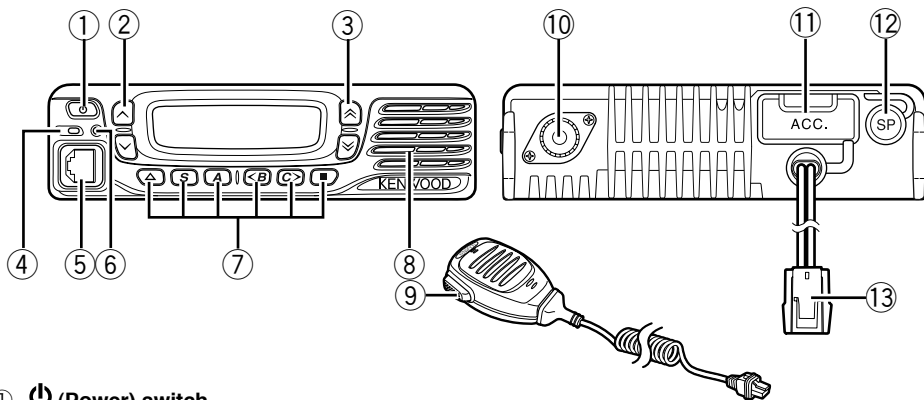
CAUTION

When replacing the fuse in the DC power cable, be sure to replace it with a fuse of the same value. Never replace a fuse with one that is rated with a higher value.



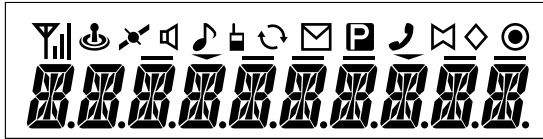
GETTING ACQUAINTED

FRONT AND REAR VIEWS



- ① **⏻ (Power) switch**
Press to switch the transceiver ON or OFF.
- ② **^ / v keys**
Press to activate their programmable functions {page 5}.
- ③ **^ / v keys**
Press to activate their programmable functions {page 5}.
- ④ **TX/RX Indicator**
Lights red while transmitting and green while receiving a signal. Flashes orange when receiving an optional signaling call.
- ⑤ **Microphone jack**
Insert the microphone plug into this jack.
- ⑥ **Status Indicator**
Lights blue during a specified mode, based on dealer programming.
- ⑦ **Δ / S / A / <B / C> / ■ keys**
Press to activate their programmable functions {page 5}.
- ⑧ **Speaker**
Internal speaker.
- ⑨ **PTT switch**
Press this switch, then speak into the microphone to call a station.
- ⑩ **Antenna connector**
Connect the antenna to this connector.
- ⑪ **ACC connector**
Connect the ACC to this connector, via the KCT-60.
- ⑫ **External speaker jack**
Connect an external speaker to this jack.
- ⑬ **Power input connector**
Connect the DC Power Cable to this connector.

DISPLAY



Icon	Description
	Displays the signal strength.
	Not used.
	Lights when the GPS position is determined.
	Signaling is turned off.
	A DTMF/MDC-1200 call is being received.
	The Talk Around function is on.
	Lights while scanning or while paused on a channel. Blinks when scan is temporarily stopped.
	A caller ID/message is in the stack memory.
	The selected channel is the Priority channel.
	Not used.
	The Horn Alert function is on.
	The Scrambler function is on.
	The Public Address function is on.
	The selected channel is the Channel/Group ID Recall channel.
	The current zone is added to the scan sequence.
	The External Speaker function is on.
	The AUX function is on.
	Lights when the Auto Recording function is on.
	The current Channel/Group ID is added to the scan sequence.
	The Operator Selectable Tone function is on.
	The Auto Reply Message function is on.

PROGRAMMABLE FUNCTIONS

The \wedge , \vee , $\hat{\wedge}$, $\hat{\vee}$, \blacktriangle , **S**, **A**, **<B**, **C>**, and \blacksquare keys can be programmed with the functions listed below. Ask your dealer for details on these functions.

- None
- Auto Reply Message
- Autodial
- Autodial Programming
- AUX
- AUX Output ID1 ~ ID3 (MDC-1200)
- Call 1 ~ 3
- Call Alert (MDC-1200)
- Calling Alert
- CH/GID Down
- CH/GID Recall
- CH/GID Up
- Channel Entry
- Direct CH/GID 1 ~ 4
- Display Character
- Emergency ¹
- External Speaker
- Function
- GPS Position Display
- Home CH/GID
- Horn Alert
- Key Lock
- LCD Brightness
- Lone Worker
- Monitor
- Monitor Momentary
- OST
- Paging Call
- Playback
- Priority Channel Select
- Public Address
- Radio Check (MDC-1200)
- Revive (MDC-1200)
- Scan
- Scan Del/Add
- Scrambler
- Selcall
- Selcall + Status
- Send the GPS Data
- Squelch Level
- Squelch Off
- Squelch Off Momentary
- Status
- Status 1 ~ Status 3
- Stun (MDC-1200)
- Talk Around
- Transceiver Password
- Voice Memo
- Volume Down
- Volume Up
- Zone Del/Add
- Zone Down
- Zone Up

¹ Emergency can be programmed only on the \blacktriangle key. When assigned, the dealer must set the key assignment hold to "Enable" and second function as "Emergency".

BASIC OPERATIONS

SWITCHING POWER ON/ OFF

Press **⏻** to switch the transceiver ON.

- A beep sounds and the display illuminates.
- If the Transceiver Password function is programmed, "PASSWORD" will appear on the display. Refer to "Transceiver Password", on page 6.

Press **⏻** again to switch the transceiver OFF.

■ Transceiver Password

To enter the password:

- 1 Press **↕** to select a digit.
 - When using a keypad, simply enter the password digits and proceed to step 4.
- 2 Press **C>** to accept the entered digit and move to the next digit.
 - Press **A** or **#** to delete an incorrect digit. Press and hold **A** or **#** to delete all digits.
- 3 Repeat steps 1 and 2 to enter the entire password.
- 4 Press **S** or ***** to confirm the password.
 - If you enter an incorrect password, the transceiver remains locked.

ADJUSTING THE VOLUME

Press the **Volume Up** key to increase the volume. Press the **Volume Down** key to decrease the volume.

If Squelch Off has been programmed onto a key, you can use that function to listen to background noise while adjusting the volume level.

SELECTING A ZONE AND CHANNEL/GROUP ID

Select the desired zone and channel/group ID using the keys programmed as **Zone Up/ Zone Down** and **CH/GID Up/ CH/GID Down**.

- You can program names for zones and channels/group IDs with up to 10 characters.

■ Home Channel/Group ID

You can select your Home channel/group ID by pressing **Home CH/GID**. Press the key a second time to return to your previous channel/group ID.

■ Direct Channel/Group ID

You can quickly select a commonly used channel/group ID by pressing **Direct CH/GID 1 ~ Direct CH/GID 4**. Press the same key a second time to return to your previous channel/group ID (if the key assignment Direct Ch/GID return is configured as "Enabled").

TRANSMITTING/ RECEIVING


- 1 Select your desired zone and channel.
- 2 Press the **Calling Alert** key to notify others that you are starting a call.
 - Simply release the Calling Alert key to stop the tone.
- 3 Press the microphone **PTT** switch and speak into the microphone to transmit. Release the **PTT** switch to receive.
 - For best sound quality at the receiving station, hold the microphone approximately 1.5 inches (3 ~ 4 cm) from your mouth.

SCAN

Scan monitors for signals on the transceiver channels. While scanning, the transceiver checks for a signal on each channel and only stops if a matching signal is present. There are three types of scans available.

- **Single Scan:** Monitors the channels of only the currently selected zone. If set up to scan the Priority channel, it will be scanned even if it is not in the zone.
- **Multi Scan:** Monitors the channels of every zone.
- **List Scan:** Monitors the channels within the specified range of zones. If set up to scan the Priority channel, it will be scanned even if it is not within any of the zones in the list.

To start/stop scanning, press the key programmed as **Scan**.

- “SCAN” and the  icon appear on the display during scan.
- When a signal is detected, scan pauses at that channel. The transceiver will remain on the busy channel until the signal is no longer present, at which time scan resumes.


Note: To use Scan, there must be at least 2 channels added to the scan sequence.

CHANNEL RECALL

During scan, you can recall the last zone and channel/group ID on which you made a call by pressing the key programmed as **CH/GID Recall**. Scan will remain paused on the Recall channel until you press the key again.

PRIORITY SCAN

If a Priority channel has been programmed, the transceiver will automatically change to the Priority channel when a call is received on that channel, even if a call is being received on a normal channel.

- The  icon appears on the display when the Priority channel is selected.



TEMPORARY CHANNEL LOCKOUT

During scan, you can temporarily remove specific channels from the scanning sequence by pressing the key programmed as **Scan Delete/Add** while Scan is paused at the undesired channel. To temporarily remove a zone, press and hold **Scan Delete/Add** while Scan is paused at a channel in the undesired zone.

- The channel/zone is no longer scanned. However, when scanning is ended and restarted, the Scan settings return to normal.

SCAN DELETE/ADD

You can add and remove zones and/or channels/group IDs to and from your scan list.

- 1 Select your desired zone and/or channel/group ID.
- 2 Press the key programmed as **Scan Delete/Add** to remove a channel or press and hold the key for approximately 1 second to remove a zone.
 - When a channel is added to scan, the  icon appears on the display.
 - When a zone is added to scan, the  icon appears on the display.

SCAN REVERT

The Scan Revert channel is the channel selected when you press the **PTT** switch to transmit during scan. Your dealer can program one of the following types of Scan Revert channels:

- **Selected:** The last channel selected before scan.
- **Selected + Talkback:** Same as “Selected”, plus you can respond to calls on the channel at which scan is paused.
- **Priority:** The Priority channel.
- **Priority + Talkback:** Same as “Priority”, plus you can respond to calls on the channel at which scan is paused.
- **Last Called + Selected:** The last channel on which you receive a call or the last channel selected before scan, whichever operation occurred latest.

DTMF CALLS


Note: To make DTMF calls, you must use an optional microphone with a DTMF keypad.

MANUAL DIALING

- 1 Press and hold the **PTT** switch.
- 2 Enter the desired digits using the keypad.
 - If Keypad Auto-PTT is enabled by your dealer, you do not need to press the **PTT** switch to transmit; you can make the call simply by pressing the keys.

AUTODIAL

Autodial allows you to quickly call DTMF numbers that have been programmed onto your transceiver.

- 1 Press the key programmed as **Autodial**.
- 2 Press  (if the key assignment list selection is configured as “Enabled”) or **<B/C>** to select an autodial list number.
 - You can also enter a number from 01 ~ 16 directly using the keypad.
- 3 Press the **PTT** switch to make the call.

■ Storing an Autodial Entry

- 1 Press the key programmed as **Autodial Programming**.

- 2 Press \wedge/\vee (if the key assignment list selection is configured as “Enabled”) or **<B/C>** to select a memory location number.
- 3 Press **S** to enter a name for the list number.
- 4 Press \wedge/\vee to select a digit.
- 5 Press **C>** to accept the entered digit and move the cursor to the right.
 - Press **A** or **#** to delete an incorrect digit. Press and hold **A** or **#** to delete all digits.
- 6 Repeat steps 4 and 5 to enter the entire name.
- 7 Press **S** to accept the name and enter a number.
- 8 Press \wedge/\vee to select a digit.
 - You can also enter digits directly using the keypad.
- 9 Press **C>** to accept the entered digit and move the cursor to the right.
 - Press **A** or **#** to delete an incorrect digit. Press and hold **A** or **#** to delete all digits.
- 10 Repeat steps 8 and 9 to enter the entire number.
- 11 Press **S** to accept the number and store the entry.

■ Removing an Autodial Entry

- 1 Press the key programmed as **Autodial Programming**.
- 2 Press \wedge/\vee (if the key assignment list selection is configured as “Enabled”) or **<B/C>** to select a memory location number.
- 3 Press **A** or **#**.
 - “DELETE” appears on the display.
 - Additionally, you can press and hold **A** or **#** to delete all entries.
- 4 Press **S** or ***** to confirm the deletion.

REDIALING

- 1 Press the key programmed as **Autodial**.
- 2 Press *****, then **0**.
 - If there is no data in the redial memory, an error tone will sound.
- 3 Press the **PTT** switch to make the call.

STUN

This function is used when a transceiver is stolen or lost. When the transceiver receives a call containing a stun code, the transceiver becomes disabled. The stun code is cancelled when the transceiver receives a call with a revive code.

- “STUN” appears on the display while the transceiver is stunned.

SIGNALING

QUIET TALK (QT)/ DIGITAL QUIET TALK (DQT)

Your dealer may have programmed QT or DQT signaling on your transceiver channels. A QT tone/ DQT code is a sub-audible tone/code which allows you to ignore (not hear) calls from other parties who are using the same channel.

OPTIONAL SIGNALING

Your dealer may also program several types of optional signaling for your transceiver channels.

DTMF Signaling: DTMF Signaling opens the squelch only when the transceiver receives a call containing a matching DTMF code.

FleetSync Signaling: Refer to “SELCALL (SELECTIVE CALLING)” on page 11.

MDC-1200: MDC-1200 is a data system using Audio Frequency Shift Keying (AFSK). MDC-1200 signaling opens the squelch only when the transceiver receives a call with a matching MDC-1200 ID code.

OPERATOR SELECTABLE TONE (OST)

You can change the preset encode and decode tones for the selected channel. Up to 40 OST pairs can be pre-programmed by your dealer.

- 1 Select your desired channel.
- 2 Press and hold the key programmed as **OST**.
 - “TONE” appears on the display, followed by the current OST number.
- 3 Press \wedge/\vee (if the key assignment list selection is configured as “Enabled”) or **<B/C>** to select your desired OST number.
 - You can also directly enter a number from 01 to 40 using the keypad.
- 4 Use the transceiver the same as in a regular call.
- 5 To exit OST mode and return to the preset encode/decode tones, press **▲**.

FleetSync: ALPHANUMERIC 2-WAY PAGING FUNCTION



FleetSync is an Alphanumeric 2-way Paging Function and is a protocol owned by **JVC KENWOOD Corporation**.

Note: If set up by your dealer, your transceiver may use the MDC-1200 feature in place of FleetSync. MDC-1200 and FleetSync cannot be operated simultaneously.

SELCALL (SELECTIVE CALLING)

A Selcall is a voice call to a particular station or to a group of stations.

■ Transmitting

- 1 Select your desired zone and channel.
- 2 Press the key programmed as **Selcall** or **Selcall + Status**.
- 3 Press  (if the key assignment list selection is configured as "Enabled") or **<B/C>** to select the ID of the station you want to call.
 - You can also enter the station ID directly by using the keypad.
- 4 Press the **PTT** switch and begin your conversation.
 - You can also press  to page the ID, rather than talking.

■ Receiving

If enabled by your dealer, an alert tone will sound and the LED will blink when a Selcall has been received. To respond to the call, press the **PTT** switch and speak into the microphone.

■ Identification Codes

An ID code is a combination of a 3-digit Fleet number and a 4-digit ID number. Each transceiver must have its own Fleet and ID number.


Note: The ID range may be limited by programming.

PAGING CALL

- 1 Select your desired zone and channel.
- 2 Press the key programmed as **Paging Call** to transmit your PTT List ID, to request a call.

STATUS MESSAGE

Status messages are 2-digit codes ranging from 10 to 99 (80 ~ 99 are reserved for special messages).

A maximum of 15 received messages can be stored in the stack memory of your transceiver and can be reviewed after reception. The  icon appears when a message is stored in the stack memory.


■ Transmitting

If programmed by your dealer, you can press the **Call 1 ~ Call 3** keys to quickly send preprogrammed status messages. You can also manually send status messages.

- 1 Select your desired zone and channel.

- 2 Press the key programmed as **Status** or **Selcall + Status**.
 - When pressing the **Status** key, the target Fleet/ ID is fixed and cannot be selected. Skip to step 5 to continue.
- 3 In Selcall mode, press \wedge/\surd (if the key assignment list selection is configured as “Enabled”) or **<B/C>** to select the ID of the station you want to call.
 - You can also enter the station ID directly by using the keypad.
- 4 Press **S** to enter Status mode.
- 5 Press \wedge/\surd (if the key assignment list selection is configured as “Enabled”) or **<B/C>** to select the status ID you want to transmit.
 - You can also enter the status ID directly by using the keypad.
- 6 Press the **PTT** switch or \blacksquare to initiate the status call.

■ Receiving

When a status call is received, the  icon will flash and the calling ID or text message will appear on the display. Press any key to return to normal operation.

■ Reviewing Messages in the Stack

- 1 Press and hold the key programmed as **Stack**, **Selcall**, **Status**, or **Selcall + Status**.
- 2 Press \wedge/\surd (if the key assignment list selection is configured as “Enabled”) or **<B/C>** to select your desired message.
- 3 Press \blacktriangle to return to normal operation.

SHORT/LONG MESSAGES

To send and receive short or long messages, connect the transceiver to a PC. (Ask your dealer for details.)

- Short messages can contain a maximum of 48 characters. Received short messages are displayed the same as Status messages and are stored in the same stack memory. A combined maximum of 15 Status calls and short messages can be stored in the stack memory.
- Long messages can contain a maximum of 4096 characters and can only be viewed via a PC.

GPS REPORT

If a GPS unit (NMEA-0183 format) is installed on your transceiver, you can press the key programmed as **Send the GPS data** to send your location data.

ADVANCED OPERATIONS

EMERGENCY CALLS

If your transceiver has been programmed with the Emergency function, you can make emergency calls.

- 1 Press and hold the key programmed as **Emergency**.
 - Depending on the delay time programmed into your transceiver, the length of time you must hold the **Emergency** key will vary.
 - When the transceiver enters Emergency mode, the transceiver will change to the Emergency channel and begin transmitting based on how the transceiver is set up.
- 2 To exit Emergency mode, press and hold the **Emergency** key again.
 - If the Emergency mode completes the preset number of cycles, Emergency mode will automatically end and the transceiver will return to normal.

■ Lone Worker Mode

Lone Worker Mode is a safety feature built into the transceiver. If the transceiver is not operated for a pre-programmed period of time, the transceiver will emit a tone and automatically enter Emergency operation. Operating any key will reset the timer.

Press the key programmed as **Lone Worker** to toggle the Lone Worker function ON or OFF.

- Depending on the delay time programmed into your transceiver, the length of time you must hold the **Lone Worker** key will vary.
- “L-WK ON” momentarily appears on the display when Lone Worker is activated.

TALK AROUND

During interruptions in service (such as a power failure), you can continue to communicate by using the Talk Around feature. Talk Around allows you to communicate directly with other transceivers without the use of a repeater, as long as they are not too far away or there are no geographical obstacles in the way.

Press the key programmed as **Talk Around** to toggle the Talk Around function ON or OFF.

- The  icon appears on the display while Talk Around is activated.

VOICE SCRAMBLER

Note: Your dealer can activate the built-in scrambler function, or they can add a more secure optional scrambler board to your transceiver. Ask your dealer for details.



The built-in scrambler prevents others from easily listening in on your calls. When activated, the transceiver distorts your voice so that anybody listening to your conversation will not be able to clearly hear what you are saying.

In order for members of your own group to hear your call while you are using the scrambler, all members must activate their scrambler functions.

Press the key programmed as **Scrambler** to toggle the Scrambler function ON or OFF.


- The  icon appears on the display while the Scrambler is activated.

When using an optional scrambler board, you can change the scrambler codes:

- 1 Press and hold the key programmed as **Scrambler** for 1 second.
 - “CODE” appears on the display, followed by the current scrambler code.
- 2 Press  (if the key assignment list selection is configured as “Enabled”) or **<B/C>** to select your desired scrambler code.
- 3 Press **S**, , or ***** to store the new setting.
 - After changing your scrambler code, be sure to inform all of your group members of the new code so they can also reset their transceivers. The scrambler function will not work with transceivers set up with different scrambler codes.

MONITOR/ SQUELCH OFF

You can use the key programmed as **Monitor** or **Squelch Off** to listen to weak signals that you cannot hear during normal operation and to adjust the volume when no signals are present on your selected channel.




- The  icon appears on the display while Monitor or Squelch Off is activated.

Your dealer can program a key with one of four Monitor/Squelch Off functions:

- **Monitor:** Press to deactivate QT, DQT, DTMF, or FleetSync Signaling. Press again to return to normal operation.
- **Monitor Momentary:** Press and hold to deactivate QT, DQT, DTMF, or FleetSync Signaling. Release to return to normal operation.
- **Squelch Off:** Press to hear background noise. Press again to return to normal operation.
- **Squelch Off Momentary:** Press and hold to hear background noise. Release to return to normal operation.

■ Squelch Level

If a key has been programmed as **Squelch Level**, you can readjust your transceiver’s squelch level:

- 1 Press the key programmed as **Squelch Level**.
 - The  icon appears on the display, along with the current squelch level.
- 2 Press  (if the key assignment list selection is configured as “Enabled”) or **<B/C>** to select your desired squelch level from 0 to 9.
- 3 Press **S** or  to store the new setting.

KEY LOCK

Press the key programmed as **Key Lock** to lock the transceiver front panel and microphone keys.

- When any key is pressed while Key Lock is active, “LOCKED” momentarily appears on the display.

Press the **Key Lock** key again to unlock the keys.

SIGNAL STRENGTH

The Signal Strength indicator shows the strength of received signals:



Strong



Sufficient




Weak



Very Weak

PUBLIC ADDRESS (PA)

The PA system can only be used with an external speaker.

- 1 Press the key programmed as **Public Address** to activate the Public Address function.
 - The  icon appears on the display.
- 2 Press and hold the **PTT** switch, then speak into the microphone to make your address through the external speaker.
- 3 Press the **Public Address** key again to exit Public Address.

HORN ALERT

Press the key programmed as **Horn Alert** to toggle the Horn Alert function ON or OFF.

- The  icon appears on the display while Horn Alert is activated.

EXTERNAL SPEAKER

After attaching an external speaker to the transceiver, press the key programmed as **External Speaker** to output all received signals through the external speaker.

- The  icon appears on the display.

Press the **External Speaker** key again to output all received signals only through the built-in speaker.

DISPLAY BRIGHTNESS

You can cycle the display brightness between high, low, and off by pressing the key programmed as **LCD Brightness**.


BACKGROUND OPERATIONS

TIME-OUT TIMER (TOT)

The Time-out Timer prevents you from using a channel for an extended duration. If you continuously transmit for a preset time, the transceiver will stop transmitting and an alert tone will sound. Release the **PTT** switch to stop the tone.

AUXILIARY PORT

Press the key programmed as **AUX** to activate the auxiliary port. The auxiliary port is used with optional boards.

- The  icon appears on the display when the auxiliary port is active.

BUSY CHANNEL LOCKOUT (BCL)

If BCL is set up by your dealer, you will be unable to transmit if the channel is already in use.

- “BUSY” appears on the display when you press the **PTT** switch. Use a different channel or wait until the channel becomes free.

If your dealer has programmed BCL Override for your transceiver, you can override the BCL by pressing the **PTT** switch again, immediately after releasing it, when the channel is busy.

PTT ID

PTT ID is the transceiver unique ID code which is sent each time the **PTT** switch is pressed and/or released.

COMPANDER

If programmed by your dealer for a channel, the compander will remove excessive noise from transmitted signals, providing higher clarity of signals.

TRANSMIT POWER

Your dealer has programmed a transmit power level for each channel. Power levels can be high or low.

VGS-1 OPTIONAL VOICE GUIDE & STORAGE UNIT


When using the optional VGS-1 voice guide & storage unit, you gain access to the voice recorder and voice announcement functions. Ask your dealer for details.

VOICE RECORDER

The voice recorder provides you with an auto recorder to record your conversations and a voice memo function to create voice memos.

■ Auto Recording

If activated, the auto recording function will continuously record all transmitted and received signals. The recording storage area retains 30 seconds of recording, so all transmitted and received signals are simultaneously recorded and erased, leaving only the last 30 seconds of recording in memory.

- The  icon appears on the display when the Auto Recording function is activated.

■ Voice Memos

You can record a voice memo for later playback.

- 1 Press the key programmed as **Voice Memo** or press and hold the key programmed as **Playback** for 1 second.
 - The duration of recording memory will appear on the display and begin counting down.
- 2 Speak into the microphone to record your voice memo.
- 3 Press the S, ■, or * key to end the recording at any time and store it into the transceiver memory.
 - If the memory becomes full, recording will stop automatically and store the voice memo to memory.

■ Auto Reply Message

You can set the transceiver to automatically respond to Individual Calls.

- 1 Press the key programmed as **Auto Reply Message**.
 - “AUTO REPLY” momentarily appears on the display.
- 2 When you receive an Individual Call, Auto Reply will begin after waiting for 3 seconds, the transceiver will send an automatic response to the caller, and “GREETING” appears on the display
 - If you are available to receive the call, press any key to cancel the auto response.
 - If there is a channel available on your transceiver for recording, “I am not available. Leave your Message.” will be sent to the caller. The caller can then leave a recorded message on your transceiver which you can later recall and listen to. When a message is stored on your transceiver, “MSG RCVD” appears on the display.

- If there is no channel available on your transceiver for recording, “I am not available” will be sent to the caller and “MEM FULL” appears on the display.

■ Playback

You can play back a recorded conversation, memo, or message.

- 1 Press the key programmed as **Playback**.
 - If the last action on your transceiver was to auto record your conversation, “STORE” will appear on the display, otherwise a recording channel with the time of the recording will appear.
- 2 Press \wedge/\surd to select the channel you want to play back.
 - “AR” represents auto recordings.
 - “VM” represents voice memos.
 - “RM” represents reply messages.
- 3 The transceiver will announce the time and channel, then the recording will play back.
 - When the entire recording has been played, “END OF MSG” is displayed.
 - Press **A** or **#** to delete the selected recording. Press and hold **A** or **#** to delete all recorded data.

VOICE GUIDE

If set up by your dealer, when changing the zone and/or channel/group ID, an audio voice will announce the new zone and channel number/group ID. Additionally, when changing a function setting, an audio voice will announce the new setting. (Voice announcements vary by dealer setting.)

KENWOOD

使用说明书



VHF 调频车载对讲机

TK-7360


UHF 调频车载对讲机

TK-8360

JVC KENWOOD Corporation

产品中有毒有害物质或元素的名称及含量

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二 苯醚 (PBDE)
框架	×	○	○	×	○	○
安装基板	×	○	○	○	○	○
电缆	○	○	○	○	○	○
扬声器	○	○	○	×	○	○
其他(附件)	○	○	○	×	○	○
○: 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的限量要求以下。 ×: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。						



表示例

该标识中表示的数字为自生产日期开始对环境的保护期限，表示不会因产品中含有的有毒有害物质或元素的外泄造成环境污染、以及对人体或财产造成严重损害的年数。该环境保护期限并不是对于性能、功能的保证期限。

在产品及电池等正常使用结束、进行废弃时，请遵守各地方政府的法律和规定予以处理。

鸣谢

感谢您选择KENWOOD产品用于您的个人移动通信应用。

本使用说明书仅包含该无线电设备的基本操作。对于设备上可能添加的定制化功能，请咨询经销商。

用户注意事项

- ◆ 政府法律禁止在政府控制的区域内使用未经当局许可的无线电发射机。
- ◆ 非法操作将会受到罚款及 / 或者监禁处罚。
- ◆ 只能由具备资格的技术人员进行维修。

安全性：操作人员应该知道并了解通信机操作的一般危险。



警告

- ◆ **易爆环境（气体、粉尘以及烟雾等）**
在加油或者停车于加油站时，请关闭通信机。如果通信机安装在汽车的行李箱部位，请勿将备用油箱放在行李箱内。
- ◆ **射频辐射伤害**
当有人站立于天线附近或触摸天线时，请勿操作通信机，以免造成射频辐射灼伤或相关人体伤害。
- ◆ **炸药起爆雷管**
在距离炸药起爆雷管150米的范围以内操作通信机可能引起雷管的爆炸。当位于爆破现场或标有“关掉双向无线电”标志的区域内时，请关闭通信机电源。如您正在使用车辆运输雷管，务必确保将雷管装在内有衬垫的封闭式金属箱中。将雷管放入箱内或从箱中取出时，请勿进行发射操作。

固件版权

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注意事项

请遵照以下注意事项，以防止火灾、人身伤害和通信机损坏。

- 开车时请勿尝试配置通信机；这样做非常危险。
- 无论何种原因请勿拆卸或改装通信机。
- 请勿将本机长时间暴晒于阳光下，也不可靠近热源。
- 如发现本机发出异味或冒烟，请立即关闭通信机电源，并与您的KENWOOD经销商联系。
- 开车时使用通信机可能会违反交通法规。请查阅并遵守当地的交通法规。
- 请勿使用非KENWOOD指定的选件。



注意

- ◆ 本通信机仅能在12V的负极接地系统中工作！安装通信机前请检查车辆的电池极性 & 电压。
- ◆ 只能使用随带的直流电源线或选购的KENWOOD直流电源线。
- ◆ 请勿切断和 / 或移除直流电源线上的保险丝管座。



警告

为了乘客安全起见，请使用随带的安装支架和螺丝组将通信机安装牢固，以防在发生车辆碰撞时通信机松脱。

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开始

注：以下说明供KENWOOD经销商、经授权的KENWOOD服务机构或工厂使用。

随机附件

小心拆开通信机的包装。在丢弃包装材料前，建议您先验明下表所列的物品。如果有物品缺失或在运输过程中损坏，请立即向承运人提出书面要求。

直流电源线（带保险丝）	1
• 10 A保险丝	4
安装支架	1
螺丝组	
• 5 × 16 mm自攻螺丝	4
• 六角螺丝+垫圈	4
• 弹簧垫	4
• 平垫	4
使用说明书	1

准备工作



警告

您车上的各种电子设备如未得到妥善保护，发射时产生的射频能量可能导致其出现故障。典型设备包括电子燃油喷射、防抱死制动及巡航控制系统。如果您的汽车装有这些设备，请咨询经销商车辆的制造信息。为了确定这些系统在发射时能否正常工作，应考虑经销商的建议。

电源线连接



注意

本通信机仅能在12V的负极接地系统中工作！安装通信机前请检查车辆的电池极性 & 电压。

- 1 查找预留于隔热板上的电源线可以穿过的小孔。
 - 如果没有，请使用圆形剪钻一个孔，然后安装橡皮环。
- 2 使电源线穿过隔热板进入发动机室。
- 3 将红色引线连接到蓄电池的正极(+)端子，将黑色引线连接到蓄电池的负极(-)端子。
 - 使保险丝位于尽可能靠近蓄电池的位置。
- 4 用定位带将多余电线绕成盘状并固定好。
 - 确保电线留有足够余量，以便在拆下通信机进行维修时可以继续为其供电。

■ 安装通信机



警告

为了乘客安全起见，请使用随带的安装支架和螺丝组将通信机安装牢固，以防在发生车辆碰撞时通信机松脱。

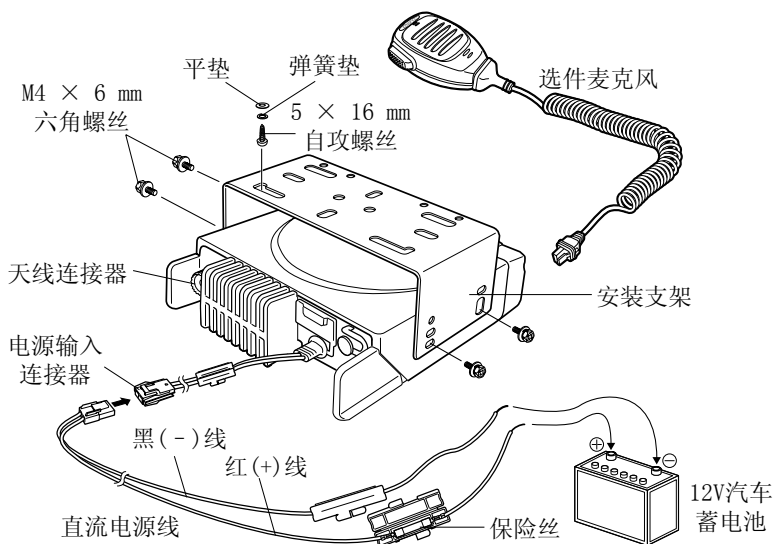
注：安装通信机前，请检查安装螺丝会探出安装表面下多少。钻安装孔时要小心，不要破坏汽车的布线或零件。

- 1 以安装支架为样板，大致标出安装孔的位置。用4.2 mm的钻头钻孔，然后利用随带的螺丝安装好固定支架。
 - 在用户伸手可得的范围内安装通信机，并确保后面留有足够的空间用于电缆连接。
- 2 将天线和附带的电源线连接到通信机上。
- 3 将通信机滑进安装支架，并用附带的六角螺丝固定。
- 4 在用户伸手可得的范围内安装麦克风挂钩选项。
 - 选购的麦克风和麦克风电缆应安装在不妨碍车辆安全操作的位置。



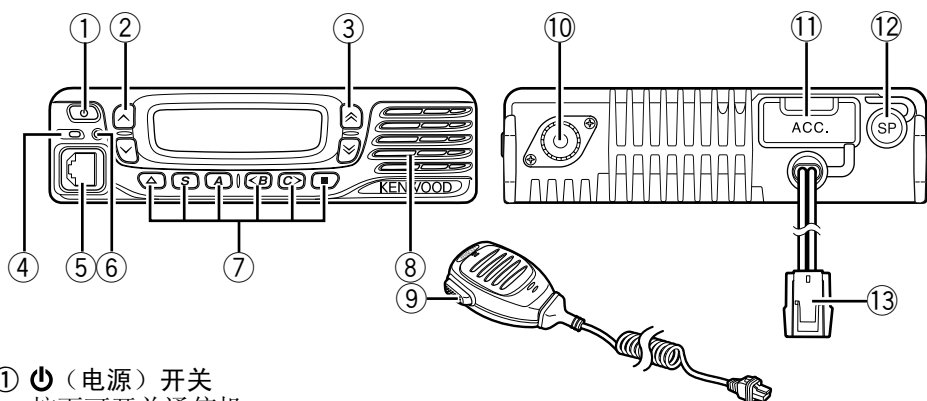
注意

替换直流电源线中的保险丝时，确保使用相同电流值的保险丝。切勿换用额定值更高的保险丝。



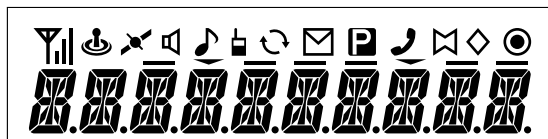
熟悉本机

前 / 后视图



- ① **⏻ (电源) 开关**
按下可开关通信机。
- ② **^ / v 键**
按下可启动其可编程功能{第5页}。
- ③ **^ / v 键**
按下可启动其可编程功能{第5页}。
- ④ **发射 / 接收指示灯**
发射时亮红色，接收信号时亮绿色。接收可选信令呼叫时闪烁橙色。
- ⑤ **麦克风插孔**
将麦克风插头插入该插孔。
- ⑥ **状态指示灯**
根据经销商的编程设置，在指定的模式时亮蓝色。
- ⑦ **▲ / S / A / <B / C> / ■ 键**
按下可启动其可编程功能{第5页}。
- ⑧ **扬声器**
内部扬声器。
- ⑨ **PTT开关**
按下此开关，然后对着麦克风讲话，可呼叫某个电台。
- ⑩ **天线连接器**
将天线连接到此连接器上。
- ⑪ **ACC连接器**
通过KCT-60将ACC连接到该连接器上。
- ⑫ **外部扬声器插孔**
将外部扬声器连接到该插孔上。
- ⑬ **电源输入连接器**
将直流电源线连接到该连接器上。

显示屏



图标	说明
	显示信号强度。
	未使用。
	GPS位置确定时点亮。
	信令关闭。
	正在接收DTMF/MDC-1200呼叫。
	脱网通信功能开启。
	扫描或暂停于某个信道时点亮。扫描暂时停止时闪烁。
	堆栈存储器内有呼叫方ID / 消息。
	所选信道为优先信道。
	未使用。
	喇叭提示功能开启。
	扰频器（语音加密）功能开启。
	车外扩音功能开启。
	所选信道为“信道 / 组ID调出”信道。
	当前区域被添加到扫描序列中。
	外部扬声器功能开启。
	辅助功能开启。
	自动录音功能开启时点亮。
	当前信道 / 组ID被添加到扫描序列中。
	操作者可选亚音功能开启。
	自动回复信息功能开启。

可编程功能

在 \wedge 、 \vee 、 \wedge 、 \vee 、 \blacktriangle 、S、A、<B、C>和 \blacksquare 键上可以设置下列功能。有关这些功能的详情，请向经销商咨询。

- 无
- 自动回复信息
- 自动拨号
- 自动拨号编程
- 辅助
- AUX输出ID1~ID3 (MDC-1200)
- 呼叫1~3
- 呼叫提示 (MDC-1200)
- 呼叫提示
- 信道 / 组ID下调
- 信道 / 组ID调出
- 信道 / 组ID上调
- 信道输入
- 直接信道 / 组ID 1~4
- 显示字符
- 紧急报警¹
- 外部扬声器
- 功能
- GPS位置显示
- 归属信道 / 组ID
- 喇叭提示
- 按键锁定
- 液晶显示屏亮度
- 单独工作者
- 监听
- 瞬时监听
- OST
- 寻呼
- 播放
- 优先信道选择
- 车外扩音
- 通信机检查 (MDC-1200)
- 恢复 (MDC-1200)
- 扫描
- 扫描删除 / 添加
- 扰频器 (语音加密)
- 选择呼叫
- 选择呼叫+状态
- 发送GPS数据
- 静噪级别
- 静噪打开
- 瞬时静噪打开
- 状态
- 状态1~状态3
- 遥毙 (MDC-1200)
- 脱网通信
- 通信机密码
- 语音备忘
- 音量下调
- 音量上调
- 区域删除 / 添加
- 区域下调
- 区域上调

¹ 紧急报警只能设置在 \blacktriangle 键上。分配此功能时，经销商必须将按钮操作方式设置为“启用”，并将第二功能设置为“紧急报警”。

基本操作

切换电源开 / 关

按 **⏻** 可打开通信机电源。

- 此时发出哔音，同时显示屏亮起。
- 如果设置了通信机密码功能，显示屏上将出现“PASSWORD”字样。请参阅第6页上的“通信机密码”部分。

再按一下 **⏻** 将关闭通信机电源。

■ 通信机密码

若要输入密码：

- 1 按 **△** / **▽** 选择数字。
 - 使用键盘时，只需输入密码数字并转到步骤4。
- 2 按 **C>** 键确认所输入的数字，然后移到下一数字。
 - 按 **A** 或 **#** 键可删除错误的数字。按住 **A** 或 **#** 键可删除所有数字。
- 3 重复步骤1和2，输入完整密码。
- 4 按 **S** 键或 *****，确认密码。
 - 如果您输入不正确的密码，通信机会保持锁定。

音量调节

按音量上调键可提高音量。按音量下调键可降低音量。

如果已将静噪打开功能设置到某个键上，则在调节音量的过程中可利用该功能来监听背景噪音。

选择区域和信道 / 组ID

请利用设置为区域上调 / 区域下调和信道 / 组ID上调 / 信道 / 组ID下调的键选择所需的区域和信道 / 组ID。

- 区域和信道 / 组ID的名称最多可设置为10个字符。

■ 归属信道 / 组ID

通过按下归属信道 / 组ID键可以选择您的归属信道 / 组ID。再按一下此键则返回上一信道 / 组ID。

■ 直接信道 / 组ID

通过按下直接信道 / 组ID 1~直接信道 / 组ID 4键可以快速选择常用的信道和组ID。再按一下此键则返回上一信道 / 组ID（如果将直接信道 / 组ID返回键配置为“启用”）。

发射 / 接收

- 1 选择想要的区域和信道。


- 2 按下**呼叫提示键**可通知其他人您即将开始呼叫。
 - 若要停止提示音，只需松开**呼叫提示键**。
- 3 按下**麦克风上的PTT开关**并对着**麦克风**讲话即可进行发射。松开**PTT开关**转换到接收状态。
 - 为使接收电台获得最佳的音质，**嘴和麦克风之间**应保持约3~4厘米的距离。

扫描

扫描功能可监听通信机信道上的信号。扫描时，通信机将检查每个信道的信号，并仅在某个匹配信号存在的情况下才会停止。可用的扫描类型共有三种。

- **单个扫描**：仅监听当前所选区域的信道。如果设置为扫描**优先信道**，即使**优先信道**不在该区域内，也将予以扫描。
- **多个扫描**：监听每个区域的信道。
- **列表扫描**：监听指定区域内的信道。如果设置为扫描**优先信道**，即使**优先信道**不在列表中的任何区域内，也将予以扫描。

若要开始和停止扫描，请按下设置为**扫描**的键。

- 在扫描期间，显示屏上会出现“SCAN”字样及图标。
- 检测到信号时，扫描就会暂停在该信道上。通信机将处在**繁忙信道**上，直至信号消失，之后扫描继续。


注：若要使用扫描功能，在扫描序列中至少要有2个信道。

信道调出

在扫描期间，可通过按下设置为**信道 / 组ID调出**的键来调用您最近进行过呼叫的上一区域和信道 / 组ID。在您再次按下该键之前，扫描会暂停于此调出信道之上。

优先扫描

如果设置了**优先信道**，当在**优先信道**上接收到呼叫时通信机将自动切换到**优先信道**，即使正在一个**普通信道**上接收呼叫。

- 选择**优先信道**时，显示屏上会出现图标。



暂时信道锁定

在扫描期间，当暂停于不需要的信道上时，可通过按下设置为**扫描删除 / 添加**的键将某些特定的信道从扫描序列中临时删除。若要临时删除某个区域，请在扫描暂停于不需要的区域的信道上时按住**扫描删除 / 添加**键。

- 相应的信道 / 区域将不再予以扫描。但是，当结束本次扫描并重新开始扫描时，扫描设置将返回正常状态。

扫描删除 / 添加

用户可以向扫描列表中增删区域和 / 或信道 / 组ID。

- 1 选择想要的区域和 / 或信道 / 组ID。
- 2 按下设置为**扫描删除 / 添加**的键可删除信道，而按住此键约1秒钟则可删除区域。
 - 向扫描列表中添加信道时，显示屏上将出现  图标。
 - 向扫描列表中添加区域时，显示屏上将出现  图标。

扫描返回

扫描返回信道就是扫描期间按下**PTT**开关进行发射时所选的信道。经销商能够在以下扫描返回信道类型中设置一种信道：

- **选择**：扫描前所选的最后一个信道。
- **选择 + 当前通话**：同“选择”，此外还可以在扫描暂停的信道上响应呼叫。
- **优先**：优先信道。
- **优先 + 当前通话**：同“优先”，此外还可以在扫描暂停的信道上响应呼叫。
- **最后呼叫 + 选择**：收到呼叫的最后一个信道或扫描前所选的最后一个信道，取两者中最后发生的那个。

DTMF呼叫



注：若要进行DTMF呼叫，必须使用带有DTMF键盘的麦克风选项。

手动拨号

- 1 按住**PTT**开关。
- 2 用键盘输入想要的数字。
 - 如果经销商已启用键盘自动PTT功能，则无需按**PTT**开关进行发射；您只需按下按键即可进行呼叫。

自动拨号

自动拨号允许您快速呼叫已在通信机上进行了编程的DTMF号码。

- 1 按下设置为**自动拨号**的键。
- 2 按  / （如果将列表选择键配置为“启用”）或 **<B/C>**，选择自动拨号列表编号。
 - 也可用键盘直接输入一个01~16之间的编号。
- 3 按下**PTT**开关进行呼叫。

■ 存储自动拨号条目

- 1 按下设置为**自动拨号编程**的键。
- 2 按 \wedge / \vee （如果将列表选择键配置为“启用”）或<B/C>，选择存储器位置编号。
- 3 按S键，输入列表编号的名称。
- 4 按 \wedge / \vee 选择数字。
- 5 按C>键确认所输入的数字并将光标向右移。
 - 按A或#键可删除错误的数字。按住A或#键可删除所有数字。
- 6 重复步骤4和5，输入完整名称。
- 7 按S键确认名称并输入号码。
- 8 按 \wedge / \vee 选择数字。
 - 也可用键盘直接输入数字。
- 9 按C>键确认所输入的数字并将光标向右移。
 - 按A或#键可删除错误的数字。按住A或#键可删除所有数字。
- 10 重复步骤8和9，输入完整号码。
- 11 按S键确认号码并存储条目。

■ 删除自动拨号条目

- 1 按下设置为**自动拨号编程**的键。
- 2 按 \wedge / \vee （如果将列表选择键配置为“启用”）或<B/C>，选择存储器位置编号。
- 3 按A或#。
 - 显示屏上将出现“DELETE”字样。
 - 此外，也可按住A或#键来删除所有条目。
- 4 按S键或*，确认删除。

重拨

- 1 按下设置为**自动拨号**的键。
- 2 按*，然后按0。
 - 如果重拨存储器中没有数据，就会发出错误音提示。
- 3 按下PTT开关进行呼叫。

遥毙

本功能用于通信机被盗或丢失时。当通信机接收到包含了遥毙码的呼叫时，通信机即变为不可用。当收到含有恢复码的呼叫时，遥毙才会被取消。

- 通信机被遥毙时，显示屏上将出现“STUN”字样。

信令

亚音频(QT) / 数字亚音频(DQT)

经销商可能已将QT或DQT信令预编程在通信机信道上。QT亚音 / DQT代码是一种亚音频 / 代码，使您可以忽略（听不到）来自正在使用同一信道的其他人的呼叫。

可选信令

经销商也可能为通信机信道编程了若干类型的可选信令。

DTMF信令：只有当通信机收到包含匹配的DTMF代码的呼叫时，DTMF信令才会打开静噪。

FleetSync信令：请参阅第11页上的“选择呼叫”。

MDC-1200：MDC-1200是一个使用音频频移键控(AFSK)功能的数据系统。只有当对讲机接收到与MDC-1200的ID码一致的呼叫时，MDC-1200信令打开静噪。

操作者可选亚音(OST)

用户可以更改所选信道的预置编码和解码亚音。经销商最多可预编入40对OST。

- 1 选择想要的信道。
- 2 按住设置为OST的键。
 - 显示屏上将出现“TONE”字样，后面跟着当前的OST编号。
- 3 按 \wedge / \vee （如果将列表选择键配置为“启用”）或 <B/C>，选择所需的OST编号。
 - 也可用键盘直接输入一个01~40之间的编号。
- 4 像普通呼叫那样使用通信机。
- 5 若要退出OST模式并返回到预置的编码 / 解码亚音，请按 \blacktriangle 。

FleetSync: 数字字母双向寻呼功能

FleetSync是一种数字字母双向寻呼功能，它是一个所有权归属JVC建伍株式会社的协议。

注：经销商也可以将通信机设置为使用MDC-1200功能。MDC-1200和FleetSync功能不能同时使用。

选择呼叫

选择呼叫是对某一无线电台或一组无线电台的语音呼叫。

■ 发射

- 1 选择想要的区域和信道。
- 2 按下设置为**选择呼叫**或**选择呼叫+状态**的键。
- 3 按 \wedge / \vee （如果将列表选择键配置为“启用”）或<B/C>，选择所要呼叫的电台的ID。
 - 也可用键盘直接输入电台ID。
- 4 按下PTT开关并开始对话。
 - 也可按下■寻呼此ID，而非直接讲话。

■ 接收

在经销商启用的情况下，将会响起提示音，且LED处于闪烁状态。若要响应呼叫，请按下PTT开关并对着麦克风讲话。

■ 识别码

识别码是一个由3位队号和4位ID号组成的代码。每台通信机都有自己的队号和ID号。

注：ID范围可通过编程方式加以限制。

寻呼

- 1 选择想要的区域和信道。
- 2 按下设置为**寻呼**的键以发射您的PTT列表ID，以此请求一个呼叫。

状态信息

状态信息为2位数的代码，其取值范围为10到99。


通信机的堆栈存储器内最多可存储15条接收的信息，并可在收到后进行查看。当堆栈存储器中存有信息时，将出现☑图标。

■ 发射

如果经销商已进行设置，则可按下**呼叫1~呼叫3**键，从而快速发送预编程的状态信息。也可手动发送状态信息。

- 1 选择想要的区域和信道。
- 2 按下设置为**状态**或**选择呼叫+状态**的键。
 - 按**状态**键时，目标队号 / ID号是固定的，无法再进行选择。请转到步骤5继续操作。
- 3 在选择呼叫模式下，按 **↗ / ↘**（如果将列表选择键配置为“启用”）或**<B/C>**，选择所要呼叫的电台的ID。
 - 也可用键盘直接输入电台ID。
- 4 按**S**键，进入状态模式。
- 5 按 **↗ / ↘**（如果将列表选择键配置为“启用”）或**<B/C>**，选择所要发射的状态ID。
 - 也可用键盘直接输入状态ID。
- 6 按下**PTT**开关或 **■**，发起状态呼叫。

■ 接收

接收到状态呼叫时，图标开始闪烁，同时显示屏上出现呼叫ID或文字信息。按任意键将返回正常操作状态。

■ 查看堆栈中的信息

- 1 按住设置为**堆栈**、**选择呼叫**、**状态**或**选择呼叫+状态**的键。
- 2 按 **↗ / ↘**（如果将列表选择键配置为“启用”）或**<B/C>**，选择所需的信息。
- 3 按 **▲**返回正常操作状态。

短信息 / 长信息

若要发送和接收短信息或长信息，请将通信机连接到PC上（详情请向经销商咨询）。

- 短信息中最多可包含48个字符。收到的短信息与状态信息的显示方式相同，且存储在同一堆栈存储器内。堆栈存储器中最多可存储15个状态呼叫和短信息的组合。
- 长信息中最多可包含4096个字符，且只能通过PC查看。

GPS报告

如果通信机上安装了GPS装置（NMEA-0183制式），可通过按下设置为**发送GPS数据**的键来发送您的位置信息。

高级操作

紧急呼叫

如果通信机对紧急报警功能已进行了编程，则可进行紧急呼叫。

1 按住设置为**紧急报警**的键。

- 取决于通信机中设置的延迟时间，按住**紧急报警**键的时间也会有所不同。
- 进入紧急报警模式后，通信机将切换到紧急报警信道，并根据设置情况开始发射。

2 若要退出紧急报警模式，请再次按住**紧急报警**键。

- 完成预设次数的循环后，紧急报警模式将会自动结束，通信机也将返回正常操作状态。

■ 单独工作者模式

单独工作者模式是一种通信机内置的安全功能。如果通信机在设置的时间内未进行任何操作，就会发出提示音并自动进入紧急报警操作。按下任何键将会重设定定时器。


按下设置为**单独工作者**的键可切换单独工作者功能的开 / 关。

- 取决于通信机中设置的延迟时间，按住**单独工作者**键的时间也会有所不同。
- 启动单独工作者功能时，显示屏上将瞬时出现“L-WK ON”字样。

脱网通信

在服务中断期间（如电源故障），用户可以继续利用脱网通信功能进行通信。脱网通信功能允许在不使用中继站的情况下直接与其他通信机进行通信，当然前提是它们之间的距离不太远，且中间没有障碍物。

按下设置为**脱网通信**的键可切换脱网通信功能的开 / 关。

- 启动脱网通信功能时，显示屏上将出现图标。


扰频器（语音加密）

注：经销商可以启动内置扰频器（语音加密）功能，也可以为通信机添加更为安全的扰频器板选件。详情请向经销商咨询。




内置扰频器（语音加密）功能可以防止他人轻易地监听到您的通话。启动该功能后，通信机将对语音进行失真处理，从而使监听对话的人无法听清您的谈话内容。

在使用扰频器（语音加密）功能的情况下，为使自己所在组的成员能听到您的通话，所有组成员均需启动自己的扰频器（语音加密）功能。

按下设置为**扰频器（语音加密）**的键可切换扰频器（语音加密）功能的开 / 关。


- 启动扰频器（语音加密）功能时，显示屏上将出现  图标。

使用扰频器电路板选件时，可以更改扰频器（语音加密）代码：

- 1 按住设置为**扰频器（语音加密）**的键1秒钟。
 - 显示屏上将出现“CODE”字样，后面跟着当前的扰频器（语音加密）代码。
- 2 按  / （如果将列表选择键配置为“启用”）或 **<B/C>**，选择所需的扰频器（语音加密）代码。
- 3 按**S**键、 或 *****，存储新的设置。
 - 更改扰频器（语音加密）代码后，请务必将新代码通知给所有组成员，以便他们也能重置自己的通信机。对于设置了不同扰频器（语音加密）代码的通信机，扰频器（语音加密）功能将无法使用。

监听 / 静噪打开

利用设置为**监听**或**静噪打开**的键可以收听正常操作条件下听不到的微弱信号，以及在所选的信道上没有信号时对音量进行调节。





- 启动监听或静噪打开功能时，显示屏上将出现  图标。

经销商可以将某个键设置为四个监听 / 静噪打开功能之一：

- **监听**：按下可停用QT、DQT、DTMF或FleetSync信令。再次按此键将返回正常操作状态。
- **瞬时监听**：按住可停用QT、DQT、DTMF或FleetSync信令。松开将返回正常操作状态。
- **静噪打开**：按下可监听背景噪音。再次按此键将返回正常操作状态。
- **瞬时静噪打开**：按住可监听背景噪音。松开将返回正常操作状态。

■ 静噪级别

如果某个键已被设置为**静噪级别**，则可重新调节通信机的静噪级别：

- 1 按下设置为**静噪级别**的键。
 - 显示屏上将出现  图标以及当前的静噪级别。
- 2 按  / （如果将列表选择键配置为“启用”）或 **<B/C>**，选择所需的静噪级别(0-9)。
- 3 按**S**键或 ，存储新的设置。

按键锁定

按下设置为**按键锁定**的键，锁定通信机的前面板及麦克风上的键。

- 在启动按键锁定功能的情况下按任何键时，显示屏上会瞬时出现“LOCKED”字样。

再次按下**按键锁定**键将对按键进行解锁。

信号强度

信号强度指示显示了所接收信号的强度：



强



中




弱



非常弱


车外扩音(PA)

PA系统只能与外部扬声器一起使用。

- 1 按下设置为车外扩音的键，启动车外扩音功能。
 - 显示屏上将出现  图标。
- 2 按住PTT开关，然后对着麦克风讲话，以便通过外部扬声器对外发出声音。
- 3 再次按车外扩音键，退出车外扩音功能。

喇叭提示

按下设置为喇叭提示的键可切换喇叭提示功能的开 / 关。

- 启动喇叭提示功能时，显示屏上将出现  图标。

外部扬声器

在通信机上安装外部扬声器后，按下设置为外部扬声器的键即可通过外部扬声器输出所有收到的信号。

- 显示屏上将出现  图标。

再次按下外部扬声器键将仅通过内部扬声器输出所有收到的信号。

显示亮度

通过按下设置为液晶显示屏亮度的键，可以使显示亮度在高、低和关闭之间轮换。


后台操作

超时定时器(TOT)

超时定时器可以防止一个用户过久地使用某一信道。如果用户连续发射超过了规定时间，通信机将停止发射并发出警告提示音。若要停止提示音，只需松开PTT开关。

辅助端口

按下设置为**辅助**的键可启动辅助端口。辅助端口与选件板一起使用。

- 启动辅助端口时，显示屏上会出现  图标。

繁忙信道锁定(BCL)

在经销商已设置BCL的情况下，如果信道处于使用状态，则无法进行发射。

- 当按下PTT开关时，显示屏上将出现“BUSY”字样。请换用其他信道或者等待该信道空闲。

如果经销商已将通信机设置为“忽略BCL”，则可在信道繁忙时通过先松开随即再次按下PTT开关的方式来忽略BCL。

PTT ID

PTT ID是通信机特有的ID代码，每次按下和 / 或松开PTT开关时将发送该代码。

压扩器

如果经销商针对某一信道进行了编程，压扩器将从发射的信号中去除多余的噪音，从而提供更清晰的信号。

发射功率

经销商已为每个信道设置了发射功率。发射功率可高可低。

VGS-1语音指导和存储装置选件


利用VGS-1语音指导和存储装置选件，可以使用语音录音机及语音指导功能。详情请向经销商咨询。

语音录音机

语音录音机的自动录音功能可记录下您的对话，而其语音备忘功能则可生成语音备忘录。

■ 自动录音

启用后，自动录音功能可连续记录所有发射及接收的信号。录音存储区中可保留30秒的录音，因此所有发射及接收的信号将同时被记录和擦除，存储器中只保留最后30秒的录音。

- 启动自动录音功能时，显示屏上将出现  图标。

■ 语音备忘

您可以录制一段语音备忘，供以后播放。

- 1 按下设置为**语音备忘**的键，或按住设置为**播放**的键1秒钟。
 - 存储器中录音的持续时间将出现在显示屏上，并开始倒计时。
- 2 对着麦克风讲话，从而录下语音备忘。
- 3 按下**S**、**■**或*****键可随时结束录音并将其保存到通信机的存储器中。
 - 如果存储器已满，就会自动结束录音并将语音备忘保存到存储器中。

■ 自动回复信息

您可以将通信机设置为自动响应单个呼叫。

- 1 按下设置为**自动回复信息**的键。
 - 显示屏上将出现“AUTO REPLY”字样。
- 2 接收到单个呼叫时，自动回复功能将在3秒钟后启动，而通信机则向呼叫方发送自动响应，同时显示屏上出现“GREETING”字样。
 - 如果您可以接收呼叫，可按任意键取消自动响应。
 - 如果通信机上有可进行录音的信道，则告知呼叫方“无法接听，请留言”。此时呼叫方可以给通信机留言，稍后您可以调出并收听内容。当有消息存储在通信机上时，显示屏上会出现“MSG RCVD”字样。
 - 如果通信机上没有可进行录音的信道，则告知呼叫方“无法接听”，同时显示屏上会出现“MEM FULL”字样。

■ 播放

您可以播放录制的对话、备忘录或留言。

- 1 按下设置为**播放**的键。
 - 如果通信机的最后一项操作是录制对话，显示屏上就会出现“STORE”字样，否则便会显示录音信道及录制时间。
- 2 按下 \wedge / \vee ，选择想要播放的信道。
 - “AR”代表自动录音。
 - “VM”代表语音备忘。
 - “RM”代表回复信息。
- 3 通信机将告知录音的时间及信道，然后开始播放录音。
 - 播放完整个录音后，显示屏上会出现“END OF MSG”字样。
 - 按**A**或**#**键可删除所选的录音。按住**A**或**#**键可删除所有录音数据。

语音指导

如果经销商已设置此项功能，当更改区域和 / 或信道 / 组ID时，语音指导功能就会告知新区域和信道号码 / 组ID。此外，当更改功能设置时，也会有声音提示您新的设置（语音指导因经销商的设置而异）。