

INSTRUCTION MANUAL MODE D'EMPLOI MANUAL DE INSTRUCCIONES MANUAL DI ISTRUZIONI BEDIENUNGSANLEITUNG GEBRUIKSAANWIJZING



TK-2140/TK-3140

VHF FM TRANSCEIVER/ UHF FM TRANSCEIVER

ÉMETTEUR-RÉCEPTEUR FM VHF/ ÉMETTEUR-RÉCEPTEUR FM UHF

TRANSCEPTOR DE FM VHF/ TRANSCEPTOR DE FM UHF

RICETRASMETTITORE FM VHF/ RICETRASMETTITORE FM UHF

VHF-FM-TRANSCEIVER/ UHF-FM-TRANSCEIVER

VHF FM ZENDONTVANGER/ UHF FM ZENDONTVANGER

KENWOOD CORPORATION

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TK-2140/TK-3140

VHF FM TRANSCEIVER/ UHF FM TRANSCEIVER INSTRUCTION MANUAL

THANK YOU

We are grateful you chose **KENWOOD** for your land mobile radio applications. We believe this easy-to-use transceiver will provide dependable communications to keep personnel operating at peak efficiency.

KENWOOD transceivers incorporate the latest in advanced technology. As a result, we feel strongly that you will be pleased with the quality and features of this product.

MODELS COVERED BY THIS MANUAL

- TK-2140: VHF FM Transceiver
- TK-3140: UHF FM Transceiver

NOTICES TO THE USER

- Government law prohibits the operation of unlicensed radio 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.

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UNPACKING AND CHECKING EQUIPMENT

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

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

SUPPLIED ACCESSORIES

Item		Part Number	Quantity
	TK-2140 E	T90-0795-XX	
Antenna	TK-3140 E	T90-0798-XX	1
	TK-3140 E3	T90-0800-XX	
Belt clip		J29-0701-XX	1
Universal connector cap		B09-0625-XX	1
Dressed screw		N08-0548-XX	1
Instruction manual		B62-1479-XX	1









Antenna

Belt clip

Universal D connector cap



screw

PREPARATION

BATTERY PACK PRECAUTIONS

- Do not recharge the battery pack if it is already fully charged. Doing so may cause the life of the battery pack to shorten or the battery pack may be damaged.
- After recharging the battery pack, disconnect it from the charger. If the charger power is reset (turned ON after being turned OFF), recharging will start again and the battery pack will become overcharged.
- Do not use the transceiver while charging the battery pack. We recommend you switch the transceiver power OFF while charging is taking place.
- Do not short the battery terminals or dispose of the battery by fire.
- Never attempt to remove the casing from the battery pack.

Information concerning the (optional) Li-ion battery pack:

The battery pack includes flammable objects such as organic solvent. Mishandling may cause the battery to rupture producing flames or extreme heat, deteriorate, or cause other forms of damage to the battery. Please observe the following prohibitive matters.

DANGER

Do not disassemble or reconstruct battery!

The battery pack has a safety function and protection circuit to avoid danger. If they suffer serious damage, the battery may generate heat or smoke, rupture, or burst into flame.

Do not short-circuit the battery!

Do not join the + and – terminals using any form of metal (such as a paperclip or wire). Do not carry or store the battery pack in containers holding metal objects (such as wires, chain-necklace or hairpins). If the battery pack is short-circuited, excessive current will flow and the battery may generate heat or smoke, rupture, or burst into flame. It will also cause metal objects to heat up.

Do not incinerate or apply heat to the battery!

If the insulator is melted, the gas release vent or safety function is damaged, or the electrolyte is ignited, the battery may generate heat or smoke, rupture, or burst into flame.

Do not use or leave the battery near fires, stoves, or other heat generators (areas reaching over 80°C/ 176°F)!

If the polymer separator is melted due to high temperature, an internal short-circuit may occur in the individual cells and the battery may generate heat or smoke, rupture, or burst into flame.

Do not immerse the battery in water or get it wet by other means!

If the battery's protection circuit is damaged, the battery may charge at extreme current (or voltage) and an abnormal chemical reaction may occur. The battery may generate heat or smoke, rupture, or burst into flame.

Do not charge the battery near fires or under direct sunlight!

If the battery's protection circuit is damaged, the battery may charge at extreme current (or voltage) and an abnormal chemical reaction may occur. The battery may generate heat or smoke, rupture, or burst into flame.

Use only the specified charger and observe charging requirements!

If the battery is charged in unspecified conditions (under high temperature over the regulated value, excessive high voltage or current over regulated value, or with a remodelled charger), it may overcharge or an abnormal chemical reaction may occur. The battery may generate heat or smoke, rupture, or burst into flame.

Do not pierce the battery with any object, strike it with an instrument, or step on it!

This may break or deform the battery, causing a short-circuited. The battery may generate heat or smoke, rupture, or burst into flame.

Do not jar or throw the battery!

An impact may cause the battery to leak, generate heat or smoke, rupture, and/or burst into flame. If the battery's protection circuit is damaged, the battery may charge at an abnormal current (or voltage), and an abnormal chemical reaction may occur. The battery may generate heat or smoke, rupture, or burst into flame.

Do not use the battery pack if it is damaged in any way! The battery may generate heat or smoke, rupture, or burst into flame.

· Do not solder directly onto the battery!

If the insulator is melted or the gas release vent or safety function is damaged, the battery may generate heat or smoke, rupture, or burst into flame.

Do not reverse the battery polarity (and terminals)!

When charging a reversed battery, an abnormal chemical reaction may occur. In some cases, an unexpected large amount of current may flow upon discharging. The battery may generate heat or smoke, rupture, or burst into flame.

Do not reverse-charge or reverse-connect the battery!

The battery pack has positive and negative poles. If the battery pack does not smoothly connect with a charger or operating equipment, do not force it; check the polarity of the battery. If the battery pack is reverse-connected to the charger, it will be reverse-charged and an abnormal chemical reaction may occur. The battery may generate heat or smoke, rupture, or burst into flame.

Do not touch a ruptured and leaking battery!

If the electrolyte liquid from the battery gets into your eyes, wash your eyes out with fresh water as soon as possible, without rubbing your eyes. Go to the hospital immediately. If left untreated, it may cause eye-problems.



• Do not charge the battery for longer than the specified time! If the battery pack has not finished charging even after the

regulated time has passed, stop it. The battery may generate heat or smoke, rupture, or burst into flame.

Do not place the battery pack into a microwave or high pressure container!

The battery may generate heat or smoke, rupture, or burst into flame.

Keep ruptured and leaking battery packs away from fire!

If the battery pack is leaking (or the battery emits a bad odor), immediately remove it from flammable areas. Electrolyte leaking from battery can easily catch on fire and may cause the battery to generate smoke or burst into flame.

Do not use an abnormal battery!

If the battery pack emits a bad odor, appears to have different coloring, is deformed, or seems abnormal for any other reason, remove it from the charger or operating equipment and do not use it. The battery may generate heat or smoke, rupture, or burst into flame.

Using the Li-ion Battery Pack

- Charge the battery pack before using it.
- To keep the battery discharge at a minimum, remove the battery pack from the equipment when it is not in use. Store the battery pack in a cool and dry location.
- When storing the battery pack for a long period:
 - 1 Remove the battery pack from the equipment.
 - 2 Discharge the battery pack, if possible.
 - 3 Store the battery pack in a cool (below 25°C/77°F) and dry location.

- 5

Characteristics of the Li-ion Battery Pack

- As the battery pack is charged and discharged repeatedly, the battery capacity decreases.
- Even if the battery pack is unused, the battery pack degrades.
- It takes a longer time to charge the battery pack in cooler areas.
- The life of battery pack is shortened when it is charged and discharged in hotter areas. When the battery pack is stored in a hot location, the battery pack degrades quicker. Do not leave the battery pack in vehicles or near heating appliances.
- When the battery pack operating time becomes short, even if it is fully charged, replace the battery pack. Continuing to charge and discharge the battery pack may result in electrolyte leakage.

Charging the Li-ion Battery Pack

When charging a transceiver with a KNB-24L battery pack, the safety catch of the battery pack may stick out past the battery. When inserting the transceiver with the battery pack into the charger, the safety catch will touch the metal contacts of the charger and the charger LED will momentarily light red. Be sure to push the transceiver fully into the battery pack slot so the safety catch no longer touches the charger terminals. Once in place, the battery pack will begin charging.

For charging procedures, refer to the KSC-25 Instruction Manual.

INSTALLING/ REMOVING THE (OPTIONAL) RECHARGEABLE BATTERY PACK OR ALKALINE BATTERY CASE

- 1 Match the guides of the battery pack with the corresponding grooves on the upper rear of the transceiver, then firmly press the battery pack to lock it in place.
- 2 Flip the safety catch into place to prevent accidentally pressing the release latch and removing the battery.
- 3 To remove the battery pack, lift the safety catch, press the release latch, then pull the battery pack away from the transceiver.







Note:

- To lift the battery pack safety catch, use a piece of hardened plastic or metal, such as a screwdriver, that is no more than 6 mm wide and 1 mm thick. It is imperative that you place the implement under only the lip of the safety catch so that you do not damage the release latch.
- Before charging a battery pack that is attached to the transceiver, ensure that the safety catch is firmly closed.
- While operating the transceiver using a Li-ion or Ni-MH battery pack in areas with an ambient temperature of -10°C/+14°F and lower, operating time may be shortened.

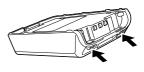
INSTALLING/ REMOVING ALKALINE BATTERIES

WARNING

- Do not install batteries in a hazardous environment where sparks could cause an explosion.
- Never discard old batteries in fire; extremely high temperatures can cause batteries to explode.
- Do not short circuit the battery case terminals.
- Do not use commercially available rechargeable or manganese batteries.

Note:

- If you do not plan to use the transceiver for a long period, remove the batteries from the battery case.
- This battery case has been designed for transmitting at a power of approximately 1 W (the low power setting on your transceiver). If you want to transmit a stronger signal (using the high power setting on your transceiver), use an optional rechargeable battery pack.
- 1 To open the battery case, press on the two tabs on the upper rear of the case then pull the two halves apart.
- 2 Insert 6 AA (LR 6) alkaline batteries into the battery case.
 - Be sure to match the polarities with those marked in the bottom of the battery case.
- 3 Align the tabs of the cover with the base, then push down on the cover until it locks in place.







INSTALLING THE ANTENNA

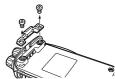
Screw the antenna into the connector on the top of the transceiver by holding the antenna at its base and turning it clockwise until secure.

INSTALLING THE BELT CLIP

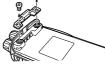
Note: When first installing the belt clip, you must remove the battery pack from the rear of the transceiver.

- Remove the two screws 1 from the rear of the transceiver, then remove the small, plastic black covering that was held in place.
- 2 Insert the belt clip mount into the space on the rear of the transceiver
- 3 Using the 2 screws, affix the belt clip in place.

Note: Do not dispose of the plastic black covering! If you remove the belt clip, replace the covering into the space on the rear of the transceiver. Either this covering or the belt clip must be in place, otherwise the battery pack may not remain installed properly.









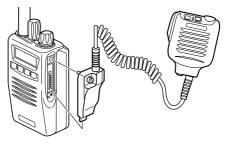
Installing the Cover over the Universal Connector

If you are not using the optional KMC-25 speaker/ microphone, install the cover over the universal connector using the supplied 4 x 6 mm dressed screw.



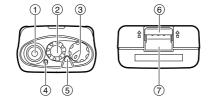
INSTALLING THE (OPTIONAL KMC-25) SPEAKER/ MICROPHONE

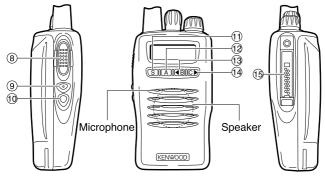
1 Insert the guide of the speaker/ microphone connector into the groove of the universal connector.



2 Secure the connector in place using the attached screw.

GETTING ACQUAINTED





1 Antenna connector

Connect the antenna here.

② Rotary encoder

Rotate this encoder to activate its programmable function: Channel Up/ Down (default) or Group Up/ Down. For further details, contact your dealer.

③ Power switch/ Volume control

Turn clockwise to switch ON the transceiver. Rotate to adjust the volume. Turn counterclockwise fully to switch OFF the transceiver.

(4) LED indicator

This LED lights red during transmission and green while receiving a signal. During Selective Call Alert, the LED flashes orange. If programmed by your dealer, when the battery pack power is low, the LED flashes red during transmission. Replace or recharge the battery pack at this time.

Note: While operating the transceiver using a Li-ion battery pack, the battery low indication time may be much shorter than when using other battery packs. The transceiver power may suddenly switch OFF at any time after the LED has started to flash.

(5) Auxiliary (orange) key

Press to activate its auxiliary function {page 15}. This key has no default setting.

(6) Battery pack safety catch

Flip this catch to prevent accidentally pressing the battery pack release latch. See "INSTALLING/ REMOVING THE (OPTIONAL) RECHARGEABLE BATTERY PACK OR ALKALINE BATTERY CASE" on page 7.

⑦ Battery pack release latch

Press this latch to release the battery pack. See "Installing/ REMOVING THE (OPTIONAL) RECHARGEABLE BATTERY PACK OR ALKALINE BATTERY CASE" on page 7.

(8) PTT (Push-To-Talk) switch Press this switch, then speak into the microphone to call a station.

(9) Side 1 key

Press to activate its auxiliary function {page 15}. The default setting of this key is **Monitor**.

1 Side 2 key

Press to activate its auxiliary function {page 15}. The default setting of this key is **Call 1** for the 5-Tone model. The DTMF/2-Tone/DMS model has no default setting.

1 Skey

Press to activate its auxiliary function {page 15}. The default setting of this key is **Selcall Entry** for the 5-Tone model. The DTMF/2-Tone/DMS model has no default setting.

12 A key

Press to activate its auxiliary function {page 15}. The default setting of this key is **Receive Entry** for the 5-Tone model. The DTMF/2-Tone/DMS model has no default setting.

① ◀B key

Press to activate its auxiliary function {page 15}. This key has no default setting.

① C ▶ key

Press to activate its auxiliary function {page 15}. This key has no default setting.

(15 Universal connector

Connect the (optional KMC-25) speaker/microphone here. Otherwise, keep the supplied cover in place.

DISPLAY



Indicator	Description	
	Displays the group and channel number as well as various dealer programmable settings.	
P	Appears when the Priority Channel is selected.	
MON	Appears when the key programmed as Monitor is pressed.	
SVC	This icon is not used on this transceiver.	
SCN	Appears when performing Scan.	
LO	Appears when the key programmed as RF Power Low is pressed.	
ر ا	This icon is not used on this transceiver.	
	Appears when a message is stored in the queue memory. Flashes when you receive a new message.	
	Displays the group and channel number (or name) and received messages when using DMS. The left most segment is used as an add indicator (♥). The add indicator shows channels that are not locked out of the scanning sequence. The right most segment is used for Selective Call (:) or to display the approximate level of battery power remaining. The battery indicator ranges from full (■) to empty (□) in 4 steps.	
	Note: When using alkaline batteries in place of a battery pack, the battery indicator may not properly indicate the battery power remaining.	

PROGRAMMABLE AUXILIARY FUNCTIONS

Keys (2), (5), and (9) to (14) {pages 11 to 13} can be programmed with the auxiliary functions listed in the following table. The keys can only be programmed with functions, depending on the model purchased. Please contact your dealer for further details on these functions.

Function	DTMF/2-Tone/ DMS Model	5-Tone Model
Auto Dial	Yes	Yes
Call 1	No	Yes
Call 2	No	Yes
Call 3	No	Yes
Call 4	No	Yes
Call 5	No	Yes
Call 6	No	Yes
Channel Down	Yes	Yes
Channel Down Continuous ¹	Yes	Yes
Channel Name	Yes	Yes
Channel Up	Yes	Yes
Channel Up Continuous 1	Yes	Yes
Channel Up/Down ²	Yes	Yes
Emergency Call ³	Yes	Yes
Fixed Volume	Yes	Yes
Group Down	Yes	Yes
Group Down Continuous 1	Yes	Yes
Group Up	Yes	Yes
Group Up Continuous 1	Yes	Yes
Group Up/Down ²	Yes	Yes
Home Channel	Yes	Yes
Key Lock	Yes	Yes
Lamp	Yes	Yes

Function	DTMF/2-Tone/ DMS Model	5-Tone Model
Low Power	Yes	Yes
Monitor	Yes	Yes
Monitor Momentary	Yes	Yes
None	Yes	Yes
Operator Selectable Tone	Yes	Yes
Queue	Yes	Yes
Radio Password	Yes	Yes
Receive Entry	No	Yes
Scan	Yes	Yes
Scan Delete/Add	Yes	Yes
Selcall Entry	No	Yes
Selcall List	Yes	Yes
Selcall + Status Entry	No	Yes
Selcall + Status List	Yes	Yes
Shift	Yes	Yes
Single Tone (1750 Hz)	Yes	Yes
Single Tone (2135 Hz)	Yes	Yes
Squelch Level	Yes	Yes
Squelch Momentary	Yes	Yes
Squelch Off	Yes	Yes
Status Entry	No	Yes
Status List	No	Yes
Talk Around	Yes	Yes

¹ To access these functions, press and hold the appropriate key for more than 1 second.

 ² These functions can be programmed only on key (2), the encoder.
³ This function can be programmed only on key (5), the Auxiliary (orange) key, and on the programmable function key of the optional KMC-25 speaker/ microphone.

Switching Power ON/ OFF

Turn the **Power** switch/ **Volume** control clockwise to switch the transceiver ON.

 If the Radio Password function is programmed, "LOCK 1" will appear on the display when the power is turned ON. To unlock the transceiver, enter the password, then press the Side 2 key. If you enter the wrong password, an error tone sounds and the transceiver remains locked. The password can contain a maximum of 6 digits.

Turn the **Power** switch/ **Volume** control counterclockwise to switch the transceiver OFF.

Adjusting the Volume

Rotate the **Power** switch/ **Volume** control to adjust the volume. Clockwise increases the volume and counter-clockwise decreases it.

Selecting a Group/ Channel

Select the desired group and channel using the encoder and the keys programmed with **Group Up**/ **Down** or **Channel Up**/ **Down**.

MAKING A CALL

- 1 Select the desired group and channel.
- 2 Press the **Monitor** key to check whether or not the channel is free.
 - You must use the key programmed with either **Monitor** or **Monitor Momentary**.
 - If the channel is busy, wait until it becomes free.
- 3 Press and hold the **PTT** switch and speak into the microphone. Release the **PTT** switch to receive.
 - For best sound quality at the receiving station, hold the microphone approximately 3 ~ 4 cm (1.5 inches) from your mouth.

RECEIVING A CALL

- 1 Select the desired group and channel. (If the Scan function has been programmed, you can switch it ON or OFF as desired.)
- 2 When you hear a caller's voice, readjust the volume as necessary.

TIME-OUT TIMER (TOT)

The purpose of the Time-out Timer is to prevent any caller from using a channel for an extended period of time.

If you continuously transmit for a period of time that exceeds the programmed time, the transceiver will stop transmitting and an alert tone will sound. To stop the tone, release the **PTT** switch.

Your dealer can program the TOT time in the range of 30 seconds to 5 minutes. The default setting is 60 seconds.

SCAN

If the Scan function is programmed, groups or channels can be scanned by pressing the key programmed as **Scan**. Scan can be used as either Single Scan or Multi Scan. Single Scan monitors only the channels of a single group. Multi Scan monitors all channels of every group. When the **Scan** key is pressed, the SCN indicator and "-SCAN-" or the revert group/ channel number appear on the display and scanning starts.

When a call is received, scanning stops and the group and channel digits appear. Press the **PTT** switch and speak into the microphone to respond to the call. The transceiver will continue scanning after an adjustable time delay if the **PTT** switch is released and no further signal is received.

When the displayed group is not locked out of the scanning sequence, the add indicator (\bigtriangledown) will appear on the display.

PRIORITY SCAN

The priority channel must be programmed in order for Priority Scan to function.

The transceiver will automatically change to the priority channel when a signal is received on it, even if a signal is being received on a normal channel.

The D indicator appears when the displayed channel is the priority channel.

SCAN LOCKOUT

If a programmable auxiliary key is programmed with **Scan Del/Add**, each channel can be locked out of the scan sequence manually. The add indicator ($\mathbf{\nabla}$) will no longer appear on the display when the selected channel is locked out.

SCAN REVERT

You can select a revert channel using the **Channel** keys (or encoder).

Six types of Scan Reverts which can be programmed by your dealer are available:

- Last Called: The last channel received is assigned as the new revert channel.
- Last Used: The last channel responded to is assigned as the new revert channel.
- Selected: The last channel selected is assigned as the new revert channel.
- Selected + Talkback: If the channel has been changed during Scan, the newly selected channel is assigned as the new revert channel. The transceiver "talks back" on the current receive channel.
- **Priority:** If your dealer has programmed a Priority channel, this channel is the revert channel.
- **Priority + Talkback:** If your dealer has programmed a Priority channel, this channel is the revert channel. The transceiver "talks back" on the current receive channel.

SIGNALLING

DTMF SIGNALLING

Your dealer can program a group with a DTMF signalling code. When you receive a call with a code that matches yours, the signalling indicator will flash and a tone will sound. Squelch opens and you will hear the call.

Squelch will close when you receive a call with a code that matches your signalling reset code.

When making a call on a group programmed with a DTMF signalling code, the signalling indicator will light and the squelch will open.

2-TONE SIGNALLING

2-Tone Signalling is either activated or deactivated by your dealer.

2-Tone Signalling only opens the squelch when the transceiver receives two tones corresponding to those set up in the transceiver. When the squelch opens, you will be able to hear the caller without any further action.

After a correct 2-Tone signal is received and the squelch opens, pressing the key programmed as **Monitor** will cancel the connection.

If your dealer programmed Transpond for 2-Tone Signalling, your transceiver will automatically send an acknowledgment signal to the station that called you with the correct 2-Tone signal. Transpond does not function when you are called as a Group call.

If your dealer programmed Call Alert for 2-Tone Signalling, your transceiver will emit a beep when the correct 2-Tone signal is received.

5-TONE SIGNALLING

5-Tone Signalling is either activated or deactivated by your dealer.

5-Tone Signalling only opens the squelch when the transceiver receives five tones corresponding to those set up in the transceiver. When the squelch opens, you will be able to hear the caller without any further action.

After a correct 5-Tone signal is received and the squelch opens, pressing the key programmed as **Monitor** will cancel the connection.

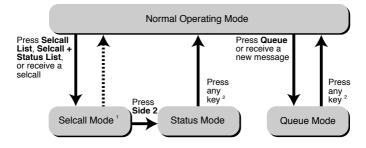
If your dealer programmed Transpond for 5-Tone Signalling, your transceiver will automatically send an acknowledgment signal to the station that called you with the correct 5-Tone signal. Transpond does not function when you are called as a Group call.

If your dealer programmed Call Alert for 5-Tone Signalling, your transceiver will emit a beep when the correct 5-Tone signal is received.

DMS: ALPHANUMERIC 2-WAY PAGING FUNCTION

DMS (Digital Message System) is an Alphanumeric 2-way Paging Function, and is a protocol owned by **KENWOOD** Corporation. DMS enables a variety of paging functions on your transceiver, some of which depend on dealer programming.

KEY **F**UNCTIONS



- Press Selcall List, Selcall + Status List, or Queue to change the transceiver mode as shown in the diagram above.
- Press the PTT switch to initiate a call.
- ¹ Depending on how your dealer programmed the transceiver, Selcall may be skipped or the transceiver may exit Selcall Mode automatically (as shown by the dash arrow). When you enter Selcall Mode after receiving a selcall, the transceiver does not enter Status Mode.
- ² Depending on how your dealer programmed the transceiver, the transceiver may exit these modes automatically, rather than by pressing a key.

SELCALL (SELECTIVE CALLING)

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

Transmitting

- 1 Select your desired group and channel.
- 2 Press the key programmed as **Selcall List** to enter Selcall Mode.
- **3** Use the encoder to select the ID of the station you want to call.
- 4 Press the **PTT** switch and begin your conversation.

Receiving

An alert tone will sound, the transceiver will automatically enter Selcall Mode, and the calling station's ID will appear when a Selcall is 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.

- Select a Fleet number or "ALL" Fleet and a group ID number to make a group call.
- Select a Fleet number and an Individual ID number to make an individual call.
- Select a Fleet number and "ALL" ID to make a fleet call.
- Select "ALL" Fleet and "ALL" ID to make a call to all units (Broadcast call).
- Select "ALL" Fleet and an ID number to make a call to the selected ID in all fleets (Supervisor call).

Note: The ID range may be limited by programming.

STATUS MESSAGE

You can send and receive 2-digit Status messages $(10 \sim 79)$ which may be decided in your talk group. Messages can contain up to 16 alphanumeric characters.

A maximum of 15 received messages can be stored in the queue memory of your transceiver. These saved messages can be reviewed after reception. If the queue memory is full, the oldest message will be erased when a new message is received. The mail icon (\square) lights when a message is stored in the queue memory.

Note: All stored messages will be cleared when the transceiver power is turned OFF.

Transmitting

- 1 Select your desired group and channel.
- 2 Press the key programmed as **Selcall + Status** List to enter Selcall Mode.
- **3** Use the encoder to select the ID of the station you want to call.
- 4 Press the Side 2 key to enter Status Mode.
- 5 Use the encoder to select the status you want to send.
- 6 Press the PTT switch to initiate the Status call.
 - "COMPLETE" is displayed when the call has been successfully transmitted.

Receiving

The mail icon (\boxtimes) will flash and a calling ID or text message will appear when a Status call is received.

The display alternates between the caller ID and the message.

Press any key or wait until the pre-programmed timer expires to return to Normal Operation Mode.

Reviewing the Messages in the Queue Memory

- 1 Press the key programmed as **Queue** to enter Queue Mode.
 - Depending on how your dealer has set up your transceiver, either the last received message or the first received message is displayed along with the message number.
- 2 Use the encoder to select the message you want to view (if more than one message is stored in the queue memory).
- 3 Press the C ▶ key to cycle through the message, the caller's ID, and the channel which received the message. Press the **4**B key to toggle between the numeric display and the message display.
- 4 To erase the message, press and hold the C ► key for more than 1 second.

Automatic Status Response

If you pre-select a status number and then leave the transceiver in Status Mode, the transceiver will automatically respond with that status number when a request from the base station is received. (The base station request function is optional.)

SHORT MESSAGES FEATURE

Received short messages (maximum of 48 characters) are displayed the same as Status messages {page 25}. "Q" (Queue) and the message number appear with the message.

AUDIBLE USER FEEDBACK TONES

The transceiver emits various tones to indicate the transceiver's operating status. Contact your dealer for further information on these tones:

- Alert
- DMS Signalling Decode Alert Tone
- Group Call
- Individual Call
- Key Input Error
- Key Press [A]
- Key Press [B]
- Key Press [C]
- Power ON
- Pre Alert
- Programmable Alert Tone
- Roll Over
- Warning