

TK-2202L/ TK-3202L



VHF FM TRANSCEIVER/ UHF FM TRANSCEIVER

INSTRUCTION MANUAL

ÉMETTEUR-RÉCEPTEUR FM VHF/ ÉMETTEUR-RÉCEPTEUR FM UHF

MODE D'EMPLOI

TRANSCEPTOR DE FM VHF/ TRANSCEPTOR DE FM UHF

MANUAL DE INSTRUCCIONES



© B62-1971-00 (K, K2, K3, M, M2) 09 08 07 06 05 04 03 02 01 00

Download from Www.Somanuals.com. All Manuals Search And Download.

ENGLISH

TK-2202L/ TK-3202L

INSTRUCTION MANUAL

Kenwood Corporation

THANK YOU

We are grateful you have chosen **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-2202L: 16-channel VHF FM Transceiver **TK-3202L:** 16-channel 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

Precautions

- Do not charge the transceiver and battery pack when they are wet.
- Ensure that there are no metallic items located between the transceiver and the battery pack.
- Do not use options not specified by KENWOOD.
- If the die-cast chassis or other transceiver part is damaged, do not touch the damaged parts.
- If a headset or headphone is connected to the transceiver, reduce the transceiver volume. Pay attention to the volume level when turning the squelch off.
- Do not place the microphone cable around your neck while near machinery that may catch the cable.
- · Do not place the transceiver on unstable surfaces.
- Ensure that the end of the antenna does not touch your eyes.
- When the transceiver is used for transmission for many hours, the radiator and chassis will become hot. Do not touch these locations when replacing the battery pack.
- Do not immerse the transceiver in water.
- Always switch the transceiver power off before installing optional accessories.



Turn the transceiver power off in the following locations:

- In explosive atmospheres (inflammable gas, dust particles, metallic powders, grain powders, etc.).
- · While taking on fuel or while parked at gasoline service stations.
- Near explosives or blasting sites.
- In aircrafts. (Any use of the transceiver must follow the instructions and regulations provided by the airline crew.)
- Where restrictions or warnings are posted regarding the use of radio devices, including but not limited to medical facilities.
- · Near persons using pacemakers.

-____CAUTION

- Do not disassemble or modify the transceiver for any reason.
- Do not place the transceiver on or near airbag equipment while the vehicle is running. When the airbag inflates, the transceiver may be ejected and strike the driver or passengers.
- Do not transmit while touching the antenna terminal or if any metallic parts are exposed from the antenna covering.
 Transmitting at such a time may result in a high-frequency burn.
- If an abnormal odor or smoke is detected coming from the transceiver, switch the transceiver power off immediately, remove the battery pack from the transceiver, 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 expose the transceiver to extremely hot or cold conditions.
- Do not carry the battery pack (or battery case) with metal objects, as they may short the battery terminals.
- When operating the transceiver in areas where the air is dry, it is easy to build up an electric charge (static electricity). When using a earphone accessory in such conditions, it is possible for the transceiver to send an electric shock through the earphone and to your ear. We recommend you use only a speaker/microphone in these conditions, to avoid electric shocks.

One or more of the following statements may be applicable:

FCC WARNING

This equipment generates or uses radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

INFORMATION TO THE DIGITAL DEVICE USER REQUIRED BY THE FCC

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can generate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer for technical assistance.



ATTENTION (U.S.A. Only):

The RBRC Recycle seal found on **KENWOOD** lithium-ion (Li-ion) battery packs indicates **KENWOOD**'s voluntary participation in an industry program to collect and recycle Li-ion batteries after their operating life has expired. The RBRC program is an alternative to disposing Li-ion batteries with your regular refuse or in municipal waste streams, which is illegal in some areas.

For information on Li-ion battery recycling in your area, call (toll free) 1-800-8-BATTERY (1-800-822-8837).

KENWOOD's involvement in this program is part of our commitment to preserve our environment and conserve our natural resources.

CONTENTS

	,
UNPACKING AND CHECKING EQUIPMENT	1
Supplied Accessories	1
PREPARATION	3
BATTERY PACK PRECAUTIONS	3
CHARGING THE BATTERY PACK	
Installing/ Removing the Battery Pack	9
Installing the Antenna	10
Installing the Belt Clip	10
Installing the Cover over the Speaker/ Microphone Jacks	11
INSTALLING THE OPTIONAL SPEAKER/ MICROPHONE (OR HEADSET)	
GETTING ACQUAINTED	
PROGRAMMABLE AUXILIARY FUNCTIONS	
BASIC OPERATIONS	
ADVANCED OPERATIONS	
AUTODIAL	
Talk Around	
Key Lock	
Monitor/ Squelch Off	
Scan	
Scrambler	
VOICE OPERATED TRANSMISSION (VOX)	20
BACKGROUND OPERATIONS	
TIME-OUT TIMER (TOT)	
Busy Channel Lockout (BCL)	
Battery Save	
Low Battery Warning	
CHANNEL ANNUNCIATION	
QUIET TALK (QT)/ DIGITAL QUIET TALK (DQT)	
STUN	
DUAL-TONE MULTI-FREQUENCY (DTMF) SIGNALLING	24
FleetSync Operation	25
BEGINNING/ END OF TRANSMISSION SIGNAL	
DEGINATING END OF THANGINGSION GIGNAL	,

UNPACKING AND CHECKING EQUIPMENT

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
Antenna	K, M types (TK-2202L)	T90-1036-XX	1
	K, M types (TK-3202L)	T90-1039-XX	
	K2, M2 types (TK-3202L)	T90-1040-XX	
	K3 type (TK-3202L)	T90-1041-XX	
Battery charger (KSC-35)		W08-0988-XX	1
AC adapter (K, K2, K3 types)		W08-0989-XX	1
AC adapter (M, M2 types)		W08-0992-XX	1
Li-ion battery pack (KNB-45L)		W09-1033-XX	1
Speaker/ microphone jack cover		B09-0680-XX	1
Speaker/ microphone locking bracket		J19-5472-XX	1
Belt clip (KBH-10)		J29-0713-XX	1
Screw set		N99-2046-XX	1
Instruction manual		B62-1971-XX	1

Note: A type code (K, K2, K3, M, or M2) can be found on the label attached to the package box.



Antenna: K, M types (TK-2202L)



Antenna: K, M types (TK-3202L)



Antenna: K2, M2 types (TK-3202L)



Antenna: K3 type (TK-3202L)



AC adapter (K, K2, K3 types)



AC adapter (M, M2 types)



Battery charger (KSC-35)



Li-ion battery pack (KNB-45L)



Speaker/ microphone jack cover



Speaker/ microphone locking bracket



Belt clip (KBH-10)



Screw set

PREPARATION

BATTERY PACK PRECAUTIONS

Do not use battery packs or battery chargers not recommended by **KENWOOD**.



- 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 charge the battery pack when the battery pack or transceiver is wet, to avoid the risk of fire or damage. Wipe the water from the battery pack or transceiver using a dry cloth before charging.
- 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 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.



· 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 paper clip 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 remodeled 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.



WARNING

- 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.

■ 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 BATTERY PACK

ATTENTION: Always switch OFF a transceiver equipped with a battery pack before inserting the transceiver into the charger.



- 1 Plug the AC adapter cable into the jack located on the rear of the charger.
- 2 Plug the AC adapter into an AC outlet.
- 3 Slide a battery pack or a transceiver equipped with a battery pack into the charging slot of the charger.
 - Make sure the metal contacts of the battery pack mate securely with the charger terminals.
 - The indicator lights red and charging starts.
 - When charging is completed, the indicator lights green. Remove the battery pack or the transceiver from the charging slot of the charger.
 - It takes approximately 3 hours to charge the battery pack.
 - When the charger will not be used for a long time, unplug the AC adapter from the AC outlet.



Note:

- When the indicator blinks red, the battery pack is either defective or the battery pack contacts are not properly mated with those of the charger.
- The ambient temperature should be between 41°F and 104°F (5°C and 40°C) while charging is in progress. Charging outside this range may not fully charge the battery.
- The battery pack life is over when its operating time decreases even though it is fully and correctly charged. Replace the battery pack.

Installing/ Removing the Battery Pack



- Do not short the battery terminals or dispose of the battery by fire.
- ◆ Never attempt to remove the casing from the battery pack.



 Align the battery pack with the back of the transceiver, then press the battery pack and transceiver firmly together until the release latch on the base of the transceiver locks.



2 To remove the battery pack, lift the safety catch on the base of the transceiver, then press the release latch underneath the safety catch.



While pressing the release latch, pull the battery pack away from the transceiver.

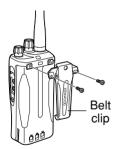
INSTALLING THE ANTENNA



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.

Note: The antenna is neither a handle, a key ring retainer, nor a speaker/ microphone attachment point. Using the antenna in these ways may damage the antenna and degrade your transceiver's performance.

INSTALLING THE BELT CLIP



If necessary, attach the belt clip using the two supplied 3 x 8 mm screws.

Note: If the belt clip is not installed, its mounting location may get hot during continuous transmission or when left sitting in a hot environment.



Do not use glue which is designed to prevent screw loosening when installing the belt clip, as it may cause damage to the transceiver. Acrylic ester, which is contained in these glues, may crack the transceiver's back panel.

INSTALLING THE COVER OVER THE SPEAKER/ MICROPHONE JACKS

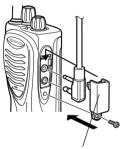


Speaker/ microphone jack cover

If you are not using a speaker/ microphone, install the cover over the speaker/ microphone jacks using the supplied 3 x 6 mm screw.

Note: To keep the transceiver water resistant, you must cover the speaker/microphone jacks with the supplied cover.

INSTALLING THE OPTIONAL SPEAKER/ MICROPHONE (OR HEADSET)

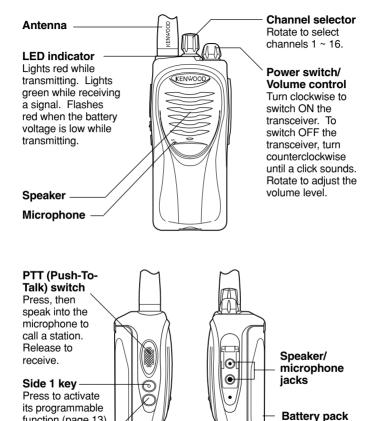


Speaker/ microphone locking bracket

- Insert the speaker/ microphone (or headset) plugs into the speaker/ microphone jacks.
- 2 Attach the locking bracket using the supplied 3 x 6 mm screw.

Note: The transceiver is not fully water resistant while using the speaker/ microphone.

GETTING ACQUAINTED



Download from Www.Somanuals.com. All Manuals Search And Download.

(KNB-45L)

function (page 13).

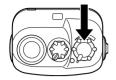
Side 2 key -Press to activate its programmable function (page 13).

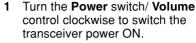
PROGRAMMABLE AUXILIARY FUNCTIONS

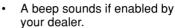
Your dealer can program each of the **Side 1** and **Side 2** keys with one of the following auxiliary functions. Refer to their descriptions, starting on page 15.

- Autodial
- · Key Lock
- Key Lock with Backup
- Monitor
- · Monitor Momentary
- None (No function) (default setting for Side 1 key)
- Scan
- · Scan + Temporary Delete
- Scrambler
- Squelch Off
- Squelch Off Momentary (default setting for Side 2 key)
- Talk Around
- · Temporary Delete

BASIC OPERATIONS

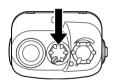




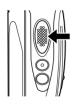




2 Press the key programmed with the Monitor or Squelch Off function to hear background noise, then rotate the Power switch/ Volume control to adjust the volume.



- 3 Rotate the Channel selector to select your desired channel.
 - When you receive an appropriate signal, you will hear audio from the speaker.



- 4 To make a call, press and hold the PTT switch, then speak into the microphone using your normal speaking voice.
 - Hold the microphone approximately 1.5 inches (3 to 4 cm) from your lips.
- 5 Release the PTT switch to receive.

Note: When the battery pack voltage becomes too low, transmission will stop and an alert tone will sound. See "Low Battery Warning" on page 23.

ADVANCED OPERATIONS

The following functions are programmable by your dealer, as described on page 13.

AUTODIAL

Press and hold the **PTT** switch, then press the key programmed as **Autodial** to transmit the stored DTMF code. Release the **Autodial** key, then speak into the microphone while still pressing the **PTT** switch to call the other party.

TALK AROUND

You may occasionally experience an interruption in service (due to a power failure, etc.). During such an occurrence, you can continue communication by using the Talk Around feature, if it has been programmed by your dealer.

Talk Around allows you to communicate directly with other transceivers, without the use of a repeater. However, if the station you want to contact is too far away, or there are geographical obstacles in the way, you may not be able to contact the station.

Toggle Talk Around ON and OFF by pressing the key programmed as **Talk Around**.

 When using Talk Around, the receive frequency is used for both transmission and reception, and the decode signalling is used for both encoding and decoding.

KEY LOCK

Press and hold the key programmed as **Key Lock** for 1 second to lock/ unlock the transceiver keys. The following keys/ functions can still be used when Key Lock is active: Autodial, Key Lock, Monitor, Monitor Momentary, PTT, Squelch Off, Squelch Off Momentary, and Volume.

If the key is programmed as **Key Lock with Backup**, when the transceiver power is turned OFF and then ON again, the keys remain locked. Otherwise, when the transceiver power is turned OFF and then ON again, the Key Lock function will be cancelled.

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, to deactivate channel signalling, and to adjust the volume when no signals are present on your selected channel

- Squelch Off: Momentarily press to hear background noise. Press the key again to return to normal operation.
- Squelch Off Momentary: Press and hold to hear background noise. Release the key to return to normal operation.
- Monitor: Momentarily press to deactivate QT, DQT, DTMF, or FleetSync signalling. Press the key again to return to normal operation.
- Monitor Momentary: Press and hold to deactivate QT, DQT, DTMF, or FleetSync signalling. Release the key to return to normal operation.

SCAN

Scan is useful for monitoring signals on the transceiver channels. When scanning, the transceiver checks for a signal on each channel and only stops if a signal is present.

The transceiver will remain on a busy channel until the signal is no longer present. Your dealer programs the delay time between signal drop-out and Scan resumption. If a signal is received during the delay time, the transceiver will remain on the same channel.

Note: You can only use Scan if your dealer has programmed at least 2 channels and they are not locked out of Scan.

To start scanning, momentarily press the key programmed as either **Scan** or **Scan + Temporary Delete**.

- Scanning starts from the current channel and ascends through the channel numbers.
- · The LED indicator flashes green.
- When a signal is received on a channel and signalling matches, the LED indicator lights green.

To end Scan, press the **Scan** or **Scan + Temporary Delete** key again.

■ Priority Scan

If enabled, a priority channel is set up one of two ways:

- Your dealer may set up a fixed priority channel on your transceiver.
- You can select your own priority channel, prior to scanning, using the Channel selector.

During Scan, if a priority channel has been set up on your transceiver, the transceiver will automatically change to the priority channel when a call is received on it, even if a call is being received on a regular channel.

The transceiver will remain on the Priority channel until the signal drops out. Your dealer programs the delay time between signal drop-out and scan resumption.

Download from Www.Somanuals.com. All Manuals Search And Download.

Temporary Delete

If a key is programmed with the Temporary Delete or Scan + Temporary Delete function, you can temporarily remove specific channels from the scanning sequence during Scan. When Scan stops at a channel, you can remove that channel from the scanning sequence by pressing and holding the key programmed as **Temporary Delete** or **Scan + Temporary Delete** for 1 second.

- You cannot delete the Priority channel, if one has been set up.
- You cannot delete a channel if there will be less than 2 channels available for scanning remaining.
- To add the channel back into the Scan list, simply exit Scan mode or switch the transceiver OFF and then ON again.

■ Revert Channel

During Scan, pressing the **PTT** switch to transmit will cause the transceiver to select the revert channel. Your dealer can program the revert channel using one of the following methods:

- 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. However, the transceiver also transmits on the channel where Scan is currently paused.
- Priority: If your dealer has programmed a Priority channel, it is the revert channel.
- Priority + Talkback: If your dealer has programmed a Priority channel, it is the revert channel. However, the transceiver also transmits on the channel where Scan is currently paused.

SCRAMBLER

Scrambler allows you to hold a conversation in complete privacy. When activated, any other party listening in on your channel will be unable to understand your conversation. The transceiver scrambles your voice so that anybody listening to your conversation will not be able to understand what you are saying.

In order for members of your own group to understand your call while you are using the Scrambler, all other members must also activate the Scrambler on their transceivers. This scrambles everybody's voice while transmitting and descrambles the voice message on your own transceiver when you receive the message.

To activate the Scrambler, press the key programmed as **Scrambler**.

To deactivate the Scrambler, press the Scrambler key again.

VOICE OPERATED TRANSMISSION (VOX)

VOX operation allows you to transmit hands-free. This feature must first be activated by your dealer, and can only be used if you are using a supported headset.

When operating VOX, you must set a VOX Gain level. This setting allows the transceiver to recognize sound levels. If the microphone is too sensitive, it will begin transmitting when there is noise in the background. If it is not sensitive enough, it will not pick up your voice when you begin speaking. Be sure to adjust the VOX Gain level to an appropriate sensitivity to allow smooth transmission.

To activate VOX and set the VOX Gain level, perform the following steps:



- 1 Connect the headset to the transceiver (page11).
 - The VOX function does not activate when a headset is not connected to the accessory terminal of the transceiver.



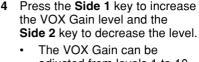
With the transceiver power OFF, press and hold the **Side 1** key while turning the transceiver power ON.



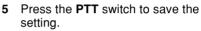
- 3 Continue to hold the **Side 1** key until a beep sounds.
 - The LED indicator lights orange.
 - When the Side 1 key is released, the transceiver announces the VOX Gain level.

Downland from Www.Somanuals.com. All Manuals Search And Download.

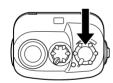




- The VOX Gain can be adjusted from levels 1 to 10 and OFF.
- The transceiver announces the VOX Gain level as you adjust it. If OFF is selected, a beep sounds.



- · A beep will sound.
- The transceiver announces the new VOX Gain level.



6 Turn the transceiver power OFF and the ON again to activate VOX.

Note:

- If a speaker/ microphone is connected to the transceiver while the VOX function is switched ON and the VOX Gain level is configured to a higher, more sensitive level, louder received signals may cause the transceiver to start transmission.
- When you operate the VOX function, you must use an optional KHS-1, KHS-21, or KHS-22 accessory.

BACKGROUND OPERATIONS

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 set by your dealer (default is 1 minute), the transceiver will stop transmitting and an alert tone will sound. To stop the tone, release the **PTT** switch.

Your dealer can program a warning function to alert you before the TOT expires. Continuously transmitting for the time specified by your dealer will cause the warning tone to sound.

BUSY CHANNEL LOCKOUT (BCL)

When activated, BCL prevents you from interfering with other parties who may be using the same channel that you selected. Pressing the **PTT** switch while the channel is in use will cause your transceiver to emit an alert tone and transmission will be inhibited (you cannot transmit). Release the **PTT** switch to stop the tone and return to receive mode.

Note: Ask your dealer for an explanation on how BCL functions when using QT, DQT, DTMF, or FleetSync signalling.

BATTERY SAVE

If activated by your dealer, the Battery Save function will decrease the amount of power used when a signal is not being received and no operations are being performed (no keys are being pressed, and no switches are being turned).

While the channel is not busy and no operation is performed for 5 seconds, Battery Save turns ON. When a signal is received or an operation is performed, Battery Save turns OFF.

Note: While the Battery Saver is operating, the LED may flash green when receiving a QT/DQT signal which does not match the QT/DQT tone/code set up in your transceiver.

Downland from Www.Somanuals.com. All Manuals Search And Download.

LOW BATTERY WARNING

Low Battery Warning alerts you when the battery needs to be recharged or replaced.

While operating the transceiver, if the battery power becomes low, an alert tone will sound every 30 seconds and the LED indicator will blink red. Replace or recharge the battery pack.

CHANNEL ANNUNCIATION

When changing the channel using the **Channel** selector, an audio voice will announce the selected channel number, after you stop changing the channel. (Channel Annunciation can be activated or deactivated by your dealer.)

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

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

When a channel is set up with a QT tone or DQT code, squelch will only open when a call containing a matching tone or code is received. Likewise, signals that you transmit will only be heard by parties whose QT/DQT signalling matches your transceiver.

If a call containing a different tone or code is made on the same channel you are using, squelch will not open and you will not hear the call. This allows you to ignore (not hear) these calls. Although it may seem like you have your own private channel while using QT/DQT, other parties can still hear your calls if they set up their transceiver with the same tone or code.

STUN

When the transceiver receives a call containing a stun code, either transmit mode will be disabled, or both receive mode and transmit mode will be disabled. (This function is used when a transceiver is stolen or lost, for example.) Stun is cancelled when the transceiver receives a call with a stun reset code.

DUAL-TONE MULTI-FREQUENCY (DTMF) SIGNALLING

DTMF Signalling is either enabled or disabled by your dealer. This function opens the squelch only when the transceiver receives the DTMF code (3 to 10 digits) programmed in your transceiver. Each transceiver is normally programmed with a unique code. You will not hear calls from transceivers that are not programmed with a matching code.

Your dealer may also program a Group Code in your transceiver. Ask your dealer for further details.

When you receive a signal containing the correct tones, squelch opens and you will hear the call.

- The LED indicator momentarily flashes orange.
- To mute the speaker after squelch opens, press the key programmed as Monitor or Monitor Momentary.
- Your dealer can program the squelch to close again after a specific time period elapses.
- If Transpond for DTMF Signalling is programmed, an acknowledgment signal is returned to the calling station.
- If Call Alert for DTMF Signalling is programmed, an alert tone will sound when the correct code is received.

FleetSync Operation

FleetSync is a protocol owned by **KENWOOD** Corporation and is enabled or disabled by your dealer. This function opens the squelch only when the transceiver receives the Fleet code and ID code programmed in your transceiver. Calls that do not contain the correct codes will not be heard.

■ Receiving

When you receive a signal containing both your Fleet code and your ID code, squelch opens and you will hear the call.

- · An alert tone will sound.
- · The LED indicator flashes orange.
- To mute the speaker after squelch opens, press the key programmed as Monitor or Monitor Momentary.

■ Transmitting

To transmit a FleetSync signal, simply press the **PTT** switch and make the call. If the selected channel has been programmed with a FleetSync PTT ID, it will be transmitted when the call is made.

BEGINNING/ END OF TRANSMISSION SIGNAL

The Beginning of Transmission and End of Transmission identification signals are used to access and release some repeaters and telephone systems.

If Beginning of Transmission is set, the ID signal is transmitted when you press the **PTT** switch.

If End of Transmission is set, the ID signal is transmitted when you release the **PTT** switch.

If both are set, the ID signal is transmitted when you press and release the **PTT** switch.

Free Manuals Download Website

http://myh66.com

http://usermanuals.us

http://www.somanuals.com

http://www.4manuals.cc

http://www.manual-lib.com

http://www.404manual.com

http://www.luxmanual.com

http://aubethermostatmanual.com

Golf course search by state

http://golfingnear.com

Email search by domain

http://emailbydomain.com

Auto manuals search

http://auto.somanuals.com

TV manuals search

http://tv.somanuals.com