

KENWOOD

TK-D200G/ TK-D200
TK-D300G/ TK-D300



VHF DIGITAL TRANSCEIVER/ UHF DIGITAL TRANSCEIVER
QUICK REFERENCE GUIDE

ÉMETTEUR-RÉCEPTEUR NUMÉRIQUE VHF/ ÉMETTEUR-RÉCEPTEUR NUMÉRIQUE UHF
GUIDE DE RÉFÉRENCE RAPIDE

TRANSCPTOR DIGITAL VHF/ TRANSCPTOR DIGITAL UHF
GUÍA DE REFERENCIA RÁPIDA

RICETRASMETTITORE DIGITALE VHF/ RICETRASMETTITORE DIGITALE UHF
GUIDA DI RIFERIMENTO RAPIDO

VHF DIGITAL FUNKGERÄT/ UHF DIGITAL FUNKGERÄT
KURZANLEITUNG

VHF DIGITALE ZENDONTVANGER/ UHF DIGITALE ZENDONTVANGER
BEKNOPTE HANDLEIDING

VHF SAYISAL EL TELSİZİ/ UHF SAYISAL EL TELSİZİ
HIZLI REFERANS KILAVUZU

ΨΗΦΙΑΚΟΣ ΠΟΜΠΟΔΕΚΤΗΣ VHF/ ΨΗΦΙΑΚΟΣ ΠΟΜΠΟΔΕΚΤΗΣ UHF
ΟΔΗΓΟΣ ΓΡΗΓΟΡΗΣ ΑΝΑΦΟΡΑΣ

ЦИФРОВОЙ ТРАНСИВЕР ВВЧ/ ЦИФРОВОЙ ТРАНСИВЕР УВЧ
КРАТКИЙ СПРАВОЧНИК

JVCKENWOOD Corporation

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QUICK REFERENCE GUIDE

JVC KENWOOD Corporation

ENGLISH

NOTIFICATION

This equipment complies with the essential requirements of Directive 1999/5/EC.

The use of the warning symbol  means the equipment is subject to restrictions of use in certain countries.

This equipment requires a licence and is intended for use in the countries as below.

AT	BE	DK	FI	FR	DE	GR	IS	IE
IT	LI	LU	NL	NO	PT	ES	SE	CH
GB	CY	CZ	EE	HU	LV	LT	MT	PL
SK	SI	BG	RO	HR				

THANK YOU

We are grateful you have chosen **KENWOOD** for your DMR (Digital Mobile Radio) applications.

This Quick Reference Guide covers only the basic operations of your DMR (Digital 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 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.

Information on Disposal of Old Electrical and Electronic Equipment and Batteries (applicable for countries that have adopted separate waste collection systems)



Products and batteries with the symbol (crossed-out wheeled bin) cannot be disposed of as household waste.

Old electrical and electronic equipment and batteries should be recycled at a facility capable of handling these items and their waste byproducts.

Contact your local authority for details in locating a recycle facility nearest to you.



Proper recycling and waste disposal will help conserve resources whilst preventing detrimental effects on our health and the environment.

Notice: The sign "Pb" below the symbol for batteries indicates that this battery contains lead.

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.
- The charger is the device that disconnects the unit from the AC mains line. The AC plug should be readily accessible.



WARNING

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 aircraft. (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 with metal objects, as they may short the battery terminals.
- Danger of explosion if the battery is incorrectly replaced; replace only with the same type.
- When attaching a commercial strap to the transceiver, ensure that the strap is durable. In addition, do not swing the transceiver around by the strap; you may inadvertently strike and injure another person with the transceiver.
- When operating the transceiver in areas where the air is dry, it is easy to build up an electric charge (static electricity). When using an 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.

Information concerning the 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 the 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-necklaces 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 leave the battery near fire, 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.

- **Avoid immersing the battery in water or getting it wet by other means!**

If the battery becomes wet, wipe it off with a dry towel before use. 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.

**DANGER**

- **Do not charge the battery near fire 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-circuit. 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.

**DANGER**

- **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 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.

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UNPACKING AND CHECKING EQUIPMENT

Note:

These unpacking instructions are for use by your **KENWOOD** dealer, an authorized **KENWOOD** service facility, or the factory.

Carefully unpack the transceiver. If any items are missing or damaged, file a claim with the carrier immediately.

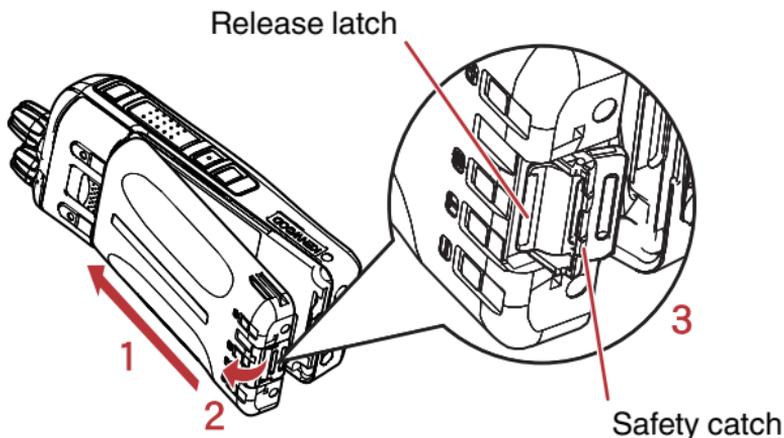
SUPPLIED ACCESSORIES

Belt clip (KBH-10)	1
• Screws for belt clip (M3 x 6 mm)	2
Universal connector cap	1
• Dressing screw (preassembled)	1
• Packing (preassembled)	1
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PREPARATION

INSTALLING/ REMOVING THE (OPTIONAL) BATTERY PACK

- 1 Match the guides of the battery pack with the grooves on the upper rear of the transceiver, then firmly press the battery pack in place.
- 2 Lock the safety catch to prevent accidentally releasing the battery pack.
- 3 To remove the battery pack, lift the safety catch, press the release latch, then pull the battery pack away from the transceiver.

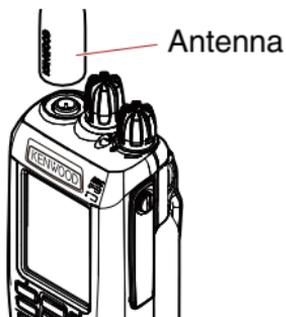


Note:

- ◆ For battery pack charging procedures and usage, refer to the battery charger Instruction Manual.
 - ◆ The battery pack is not charged at the factory; charge it before use.
 - ◆ Before charging a battery pack that is attached to the transceiver, ensure that the safety catch is firmly closed.
 - ◆ Install the battery pack after cleaning the battery pack contacts and the transceiver terminals.
-

INSTALLING THE (OPTIONAL) 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.

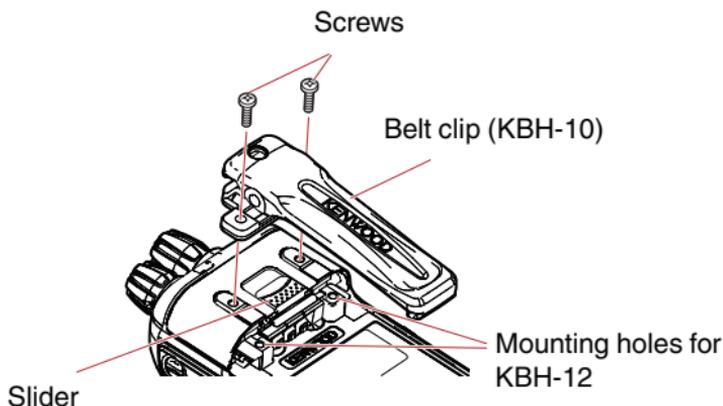


Note:

Determine your positioning at a wide open location. When there is bad reception from the GPS satellite, pinpointing may take a while and location errors may occur.

INSTALLING THE BELT CLIP

Using the 2 screws (M3 x 6 mm), affix the supplied belt clip (KBH-10) in place.



- When attaching the optional KBH-12 belt clip, use the mounting holes on the chassis for the KBH-12. (To attach the KBH-12, move the Slider forward.)

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.

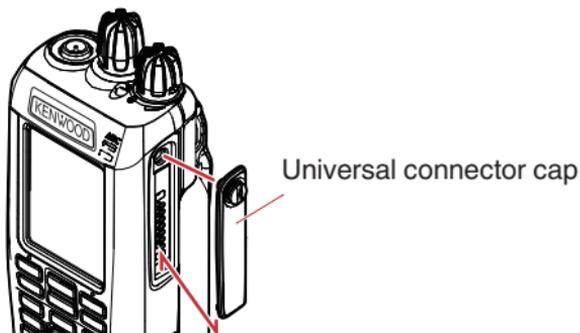


CAUTION

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.

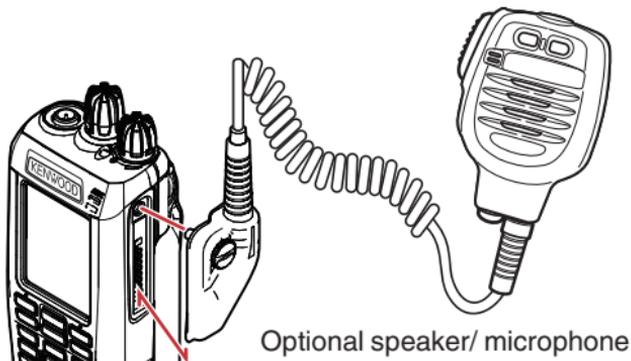
INSTALLING THE CAP OVER THE UNIVERSAL CONNECTOR

Insert the cap into place over the universal connector and secure it in place using the attached screw.



INSTALLING THE (OPTIONAL) SPEAKER/ MICROPHONE OR HEADSET

- 1 Insert the guide of the speaker/ microphone or headset connector into place over the universal connector.
- 2 Secure the connector in place using the attached screw.



Note:

When not using an optional speaker/ microphone or headset, install the cap over the universal connector.

ORIENTATION

There are 2 types of transceivers available:

Type I: Equipped with a display and full keypad.

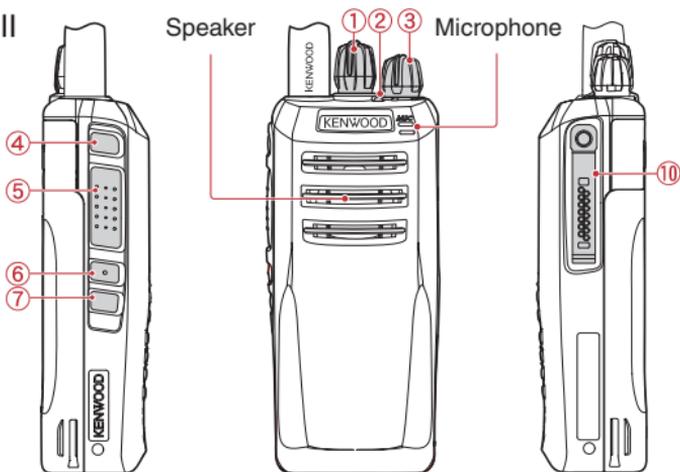
Type II: Basic model.

KEYS AND KNOBS

TYPE I



TYPE II



- ① **Selector knob**
Rotate to select a zone or channel (default).
- ② **Transmit/ Receive/ Battery low indicator**
If enabled by your dealer, lights red while transmitting and green while receiving a call. Blinks orange while receiving an Individual or Group call and blinks red when the battery power is low while transmitting
- ③ **Power switch/ Volume control**
Rotate to turn the transceiver On/Off and to adjust the volume.
- ④ **Auxiliary (orange) key**
Press to activate its programmable function.
- ⑤ **PTT (Push-To-Talk) switch**
Press and hold this switch, then speak into the microphone to call a station.
- ⑥ **Side 1 key**
Press to activate its programmable function. The default is [Squelch Off Momentary].
- ⑦ **Side 2 key**
Press to activate its programmable function. The default is [LCD Brightness] (Type I) or [None] (Type II).
- ⑧ , , , , ,  **keys (Type I only)**
Press to activate their programmable functions.
 -  key: The default setting is [Menu].
 -  key: The default setting is [None].
 -  key: The default setting is [None].
 -  key: The default setting is [None].
 -  key: The default setting is [Zone Up].
 -  key: The default setting is [Zone Down].
- ⑨ **Keypad (Type I only)**
These keys can also be programmed with secondary functions if a programmable function key is programmed as "Function".
- ⑩ **Universal connector**
Connect a speaker/ microphone or headset here. { p. 5 }
Otherwise, keep the supplied cap in place.

DISPLAY (TYPE I ONLY)



Indicator	Description
	Signal strength indicator.  Strong  Sufficient  Weak  Very weak
	Battery power indicator.  High  Sufficient  Low  Very low
	The Monitor or Squelch Off function is activated.
	The current Zone (left side icon) or Channel (right side icon) is added to scan.
	Scan is in progress. Blinks while scan is paused.
	A message is stored in memory. Blinks when a new message has arrived.
	The Talk Around function is activated.
	The Scrambler function is activated.
	The channel is using high transmit power.
	The channel is using low transmit power.

Indicator	Description
	Appears when the GPS position is determined.
	The Lone Worker function is activated.
	The Activity Detection function is activated.
	The Broadcast Call function is activated.
	The Key Lock function is activated.
	The OVCM (Open Voice Channel Mode) function is activated.
	Text input mode for capital letters.
	Text input mode for lower case letters.
	Text input mode for numbers.
	Displays the key functions (key guide) for  ,  , and  .

KENWOOD

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