

# KENWOOD

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



MOBILE DATA TERMINAL  
TERMINAL DE DONNEES POUR MOBILE  
TERMINAL MÓVIL DE DATOS  
TERMINALE MOBILE PER DATI  
MOBILE DATENTERMINAL  
MOBIELE DATA TERMINAL

## KDS-100

KENWOOD CORPORATION

© B62-1480-20 (M)  
09 08 07 06 05 04 03 02

MOBILE DATA TERMINAL

# KDS-100

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INSTRUCTION MANUAL

KENWOOD CORPORATION

ENGLISH

## THANK YOU!

We are grateful you chose **KENWOOD** for your mobile applications. We believe this mobile data terminal will provide dependable communications to keep personnel operating at peak efficiency.

**KENWOOD** incorporates the latest in advanced technology in all our products. As a result, we feel strongly that you will be pleased with the quality and features of this product.

## 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.

### 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.

## PRECAUTIONS

Please observe the following precautions to prevent fire, personal injury, and equipment damage.

- Do not attempt to configure the terminal while driving; it is too dangerous.
- Do not modify the terminal for any reason.
- Do not place the terminal in excessively dusty, humid, or wet areas, nor on unstable surfaces.
- Do not touch the surface of the terminal after it has been sitting in a hot environment for extended periods; the terminal body will rise in temperature and may burn you.
- If an abnormal odor or smoke is detected coming from the terminal, turn OFF the power immediately. Contact your **KENWOOD** dealer.

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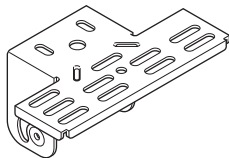
# UNPACKING AND CHECKING EQUIPMENT

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

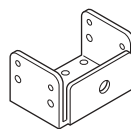
Carefully unpack the terminal. We recommend that you identify the items listed in the following table before discarding the packing material. If any items are missing or have been damaged during shipment, file a claim with the carrier immediately.

## SUPPLIED ACCESSORIES

Item	Part Number	Quantity
Base mounting bracket	J29-0689-XX	1
Rear mounting bracket	J29-0690-XX	1
Screw set	N99-2025-XX	1
Rear adjustment screws	N08-0546-XX	2
Instruction manual	B62-1480-XX	1



Base mounting bracket



Rear mounting bracket



Screw set



Rear adjustment screws

# PREPARATION

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

## TOOLS REQUIRED

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

The following tools are required for installing the terminal:

- 6 mm (1/4 inch) or larger electric drill
- 4.2 mm (5/32 inch) drill bit for the self-tapping screws

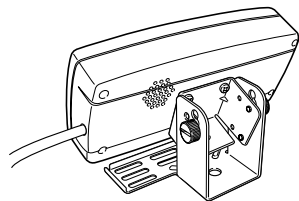
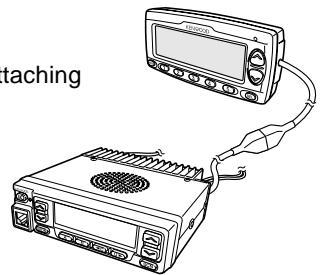
## INSTALLING THE TERMINAL



### WARNING

For passenger safety, install the terminal securely, using the supplied mounting brackets, so the terminal will not break loose in the event of a collision.

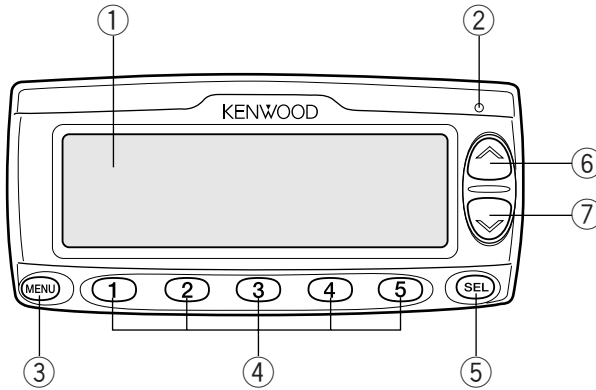
- 1 Mark the position of the holes in the dash by using the base mounting bracket as a template. Drill the holes, then attach the base mounting bracket using the supplied self-tapping screws.
  - Be sure to mount the terminal in a location where the controls are within easy reach of the user.
- 2 Connect the rear mounting bracket to the back of the terminal using the supplied screws.
- 3 Connect the terminal cable to the mobile unit.
  - Be sure to switch the transceiver power OFF before attaching the terminal to the transceiver.
  - The mobile unit must have the optional KCT-34 or KCT-35 cable installed. The appropriate cable depends on the transceiver type.
  - An optional KCT-36 extension cable (12 feet/ 3 m) is also available.
- 4 Secure the terminal to the mounting bracket using the supplied rear adjustment screws.
  - Adjust the angle of the terminal before tightening the screws, so that you can easily view the display and panel keys.



**Note:** After using the data terminal and storing messages in its memory, leaving the terminal with no power attached for extended periods may result in the loss of such data.

# ORIENTATION

## FRONT PANEL



### ① Display

Messages appear on this 240 x 64 dot LCD. The messages can be set to display using 3 lines, 5 lines, or 6 lines.

### ② LED Indicator (default settings)

Lights red while “talking” to the mobile unit. Lights green while “listening” to the mobile unit. Flashes orange when a message is waiting.

### ③ MENU key

Press to cycle through the Menu, Status List, and Message List modes. Also press to abort an action and return to the previous display.

### ④ Keys 1 ~ 5

Press these function keys to perform the functions described in the status bar on the display, directly above the keys.

### ⑤ SEL (Select) key

Press to select a displayed item. In Status List mode, press to switch the display between Status List 1 and Status List 2. In Message List mode, press to read the selected message, and press again to return to the list.

### ⑥ ▲ key

Press to scroll up the display.

### ⑦ ▼ key

Press to scroll down the display.

# OPERATION

## BEFORE YOU START

The displays provided within this manual are for your reference only. Actual displays may vary according to how your terminal is set up.

## POWER

This terminal does not have a power switch. Power is supplied directly through the cable attached to the mobile unit.

## OPERATING MODES

This terminal provides you with three basic modes of operation: Menu mode, Status List mode, and Message List mode. To cycle through these modes, press the **MENU** key.



In Menu mode, you are able to make a Status call or a Selcall to any addresses in your list. Select the type of call you want to make, select the recipient of the call, then send the message. You can cancel or abort at any time by pressing the **MENU** key.

There are two Status List displays. To switch between Status List 1 and Status List 2, press the **SEL** key. This mode allows you to send a commonly used status to recipients in your list. Simply scroll up or down to find your desired recipient, then press the status you want to send. You can cancel or abort at any time by pressing the **MENU** key.

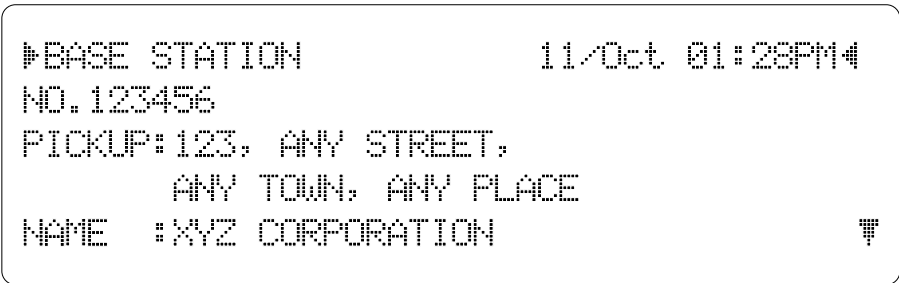
Message List mode displays a list of all the messages stored in your terminal. You can read any of the messages by selecting the message then pressing the **SEL** key. Press the **SEL** key again to return to the list. In this mode, you can respond to any message, you can place a checkmark beside messages you have read, and you can delete messages from the list, sending them to the BIN where you can later retrieve them or delete them from memory.

## MESSAGE DISPLAY MODE

When a message is received, the first few lines appear on the display. To read the message immediately, press **[OK]** (key 1). To return to the previous display without first reading the message, press the **MENU** key.



When you read the message, depending on its size, you may have to scroll down to view the entire message. A small arrow at the bottom right of the display will indicate whether or not you can scroll down. To scroll up and down, use the ▲ and ▼ keys.



## MESSAGE LIST MODE

Message List mode allows you to view a list of all your messages. You can scroll through your list of messages using the ▲ and ▼ keys.

The first screen of key functions are:

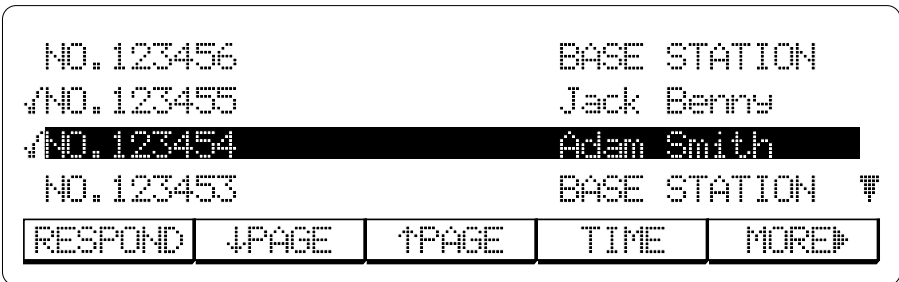
**[RESPOND]** (key 1) allows you to respond to the selected message. Pressing this key allows you to respond to the message by sending a STATUS or SELCALL (key 1 or 2).

**[↓PAGE]** (key 2) allows you to scroll down the screen, 1 complete screen at a time. Press and hold this key for approximately 1 second to move the display to the end of the list.

**[↑PAGE]** (key 3) allows you to scroll up the screen, 1 complete screen at a time. Press and hold this key for approximately 1 second to move the display to the beginning of the list.

**[FROM]/[TIME]** (key 4) allows you to change the characteristics of the message list display between the date and time the message was received and the name of the sender. Pressing this key when FROM is displayed changes the message list to the name of the sender. Pressing this key when TIME is displayed returns the message list to the date and time the message was received.

**[MORE▶]** (key 5) allows you to display additional functions (refer to the second screen list, below).



The second screen of key functions are:

**[SORT]** (key 1) allows you to sort your message list. Pressing this key allows you to choose between TIME, NAME, TITLE, and ICON. Select your desired sorting method using the ▲ and ▼ keys, then press **[EXECUTE]** (key 1).

**[Check]** (key 2) allows you to check or uncheck the currently selected message. You can use this checkmark to verify which message you have already read or are finished with.

**[Delete]** (key 3) allows you to delete the currently selected message from the list. Deleted items are placed in a "BIN", where you can later retrieve them or delete them from the terminal's memory.

[RETURN▶] (key 5) allows you to return to the first screen list.

NO. 123456	BASE STATION			
√NO. 123455	Jack Benny			
√NO. 123454	Adam Smith			
NO. 123453	BASE STATION ¶			
SORT	CHECK	DELETE		RETURN▶

## SENDING MESSAGES

You can respond to messages in Message List mode by pressing [RESPOND] (key 1). You will be given the option to send a [STATUS] (key 1) or a [SELCALL] (key 2).

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**Note:** If your dealer does not set up the Function Program key, [RESPOND] will not appear until you press a key from 1 ~ 5.

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### ■ STATUS

When selecting a status, a list appears with preset messages. Scroll through the list using the ▲ and ▼ keys to select your desired status.

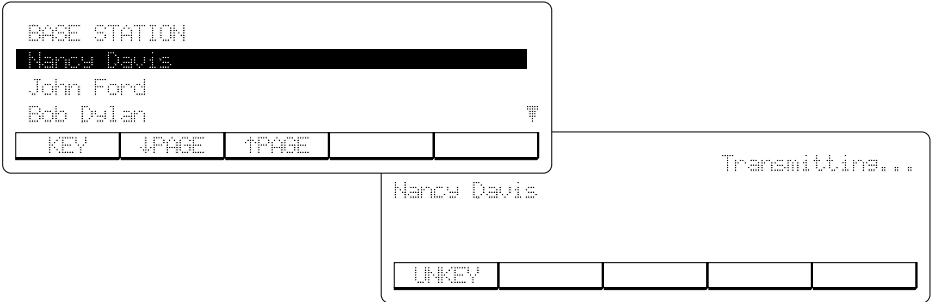
▶▶Send to BASE STATION	◀◀			
Lunch				
Break				
Job Completed	¶			
SEND	↓PAGE	↑PAGE	TO	

If you are making a status call in response to a message, you already have a selected recipient. However, if you are making a new message, you must also select a recipient by pressing [SEND TO] (key 4). Use the ▲ and ▼ keys to select your desired recipient from the list in your terminal.

Once you have selected a status message and recipient, press [SEND] (key 1). A message will appear on the display, confirming that you are sending the data. If there is no response from the recipient, you are given an option to [RETRY] (key 1). To abort, press the MENU key.

## ■ SELCALL

If you are making a selcall in response to a message, transmission begins as soon as you press **[SELCALL]**. However, if you are making a new selcall, select a recipient using the **▲** and **▼** keys to scroll through the list in your terminal, then press **[KEY]** (key 1). A message will appear on the display, confirming that you are calling the recipient. To abort the transmission, press **[UNKEY]** (key 1).

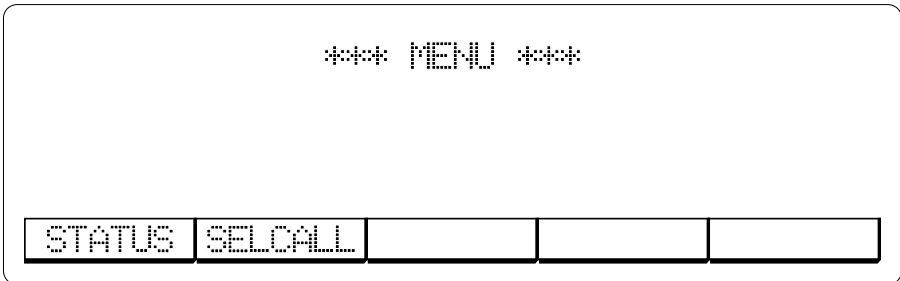


## MENU MODE

To enter Menu mode, press the **MENU** key until "MENU" appears at the top of the display. In Menu mode, you are given the following options:

**[STATUS]** (key 1) allows you to make a status call. Refer to "STATUS", on page 7.

**[SELCALL]** (key 2) allows you to make a selcall call. Refer to "SELCALL", above.



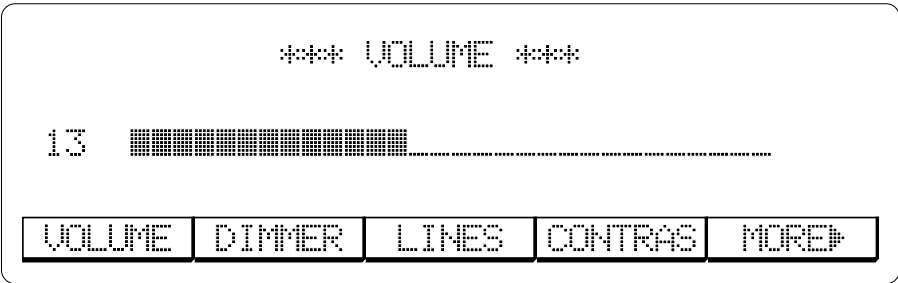
## TERMINAL SETTINGS

By entering the Settings mode, you can adjust the terminal volume level, the display brightness, the number of lines that appear on the display, the display contrast, the clock, and the message settings.

To enter Settings mode, press and hold the **MENU** key for approximately 1 second. Refer to the following sub-sections for instructions on how to adjust each setting.

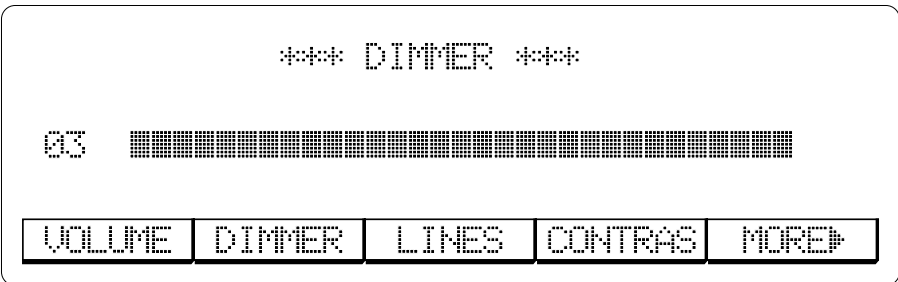
### ■ VOLUME LEVEL

- 1 Press [**VOLUME**] (key 1) to adjust the volume level.
- 2 Press the ▼ key to decrease the volume or the ▲ key to increase the volume.



### ■ DISPLAY BRIGHTNESS

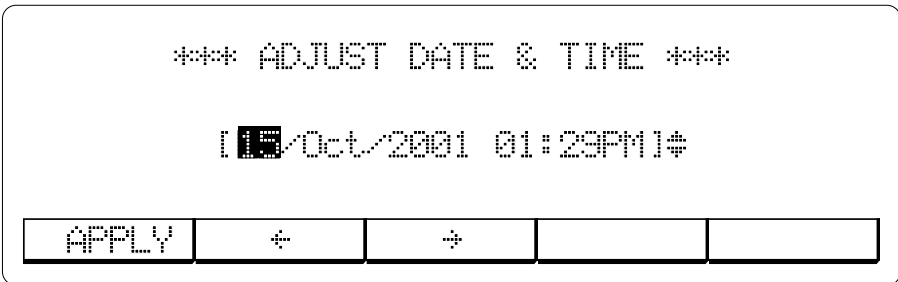
- 1 Press [**DIMMER**] (key 2) to adjust the brightness of the display.
- 2 Press the ▼ key to decrease the brightness or the ▲ key to increase the brightness.





## ■ CLOCK

- 1 Press **[MORE]** (key 5) to view the second screen of terminal settings.
  - Press **[RETURN]** (key 5) to return to the first screen of terminal settings.
- 2 Press **[TIME]** (key 1) to adjust the date and time.
- 3 Press **[←]** (key 2) to move the cursor to the left and **[→]** (key 3) to move the cursor to the right.
- 4 Press the **▼** key to decrease the values or the **▲** key to increase the values.
- 5 Press **[APPLY]** (key 1) to complete the setting, or press the **MENU** key to cancel and return to the previous display.



## ■ MESSAGE UTILITIES

- 1 Press **[MORE]** (key 5) to view the second screen of terminal settings.
  - Press **[RETURN]** (key 5) to return to the first screen of terminal settings.
- 2 Press **[MSG UTY]** (key 2) to enter the message utility settings.
- 3 Press the **▲** or **▼** key to select a message from the message list.
- 4 Press **[RESTORE]** (key 1) to select the current message for restoration (remove the message from the delete list), press **[RES ALL]** (key 2) to restore all the messages in the BIN to the Message List, or press **[BIN CLR]** (key 3) to empty the BIN, clearing all the messages from memory. Additionally, you can press **[FROM]** (key 4) to change the display between the date and time the message was received and the name of the sender (at which time TIME will appear on the display in place of FROM).

