

ErgoDock

USER MANUAL



Product Name: ErgoDock

Model: ED01EN

Input: 29VDC

Manufacturer: Keeson Technology Corporation Limited

Manufacturing country: China

1. Introduction

Thank you for choosing the Ergo Dock Smart Bedside Controller. The Ergo Dock is an innovative bedside device designed to enhance your sleep experience through intelligent bed control, wireless charging, offline voice recognition, and anti-snore functionality.

The Ergo Dock integrates the following core features:

- **Wireless Charging:** Wireless charging pad for Qi-compatible smartphones and devices
- **Bluetooth:** Bluetooth connectivity for smart home app integration
- **Offline Voice Control:** Offline voice recognition with wake words "Hello Ergo" and "Hello Bed" — no cloud connection required, all processing is local
- **Anti-Snore Function:** Adjustable anti-snore detection with three sensitivity levels
- **Bed Control:** Full bed position control including head/foot adjustment, massage, presets, and lumbar/tilt control
- **Wired Charging:** Wired USB charging port (5V/1A) as an alternative to wireless charging

This device is designed for indoor use in residential environments.

2. Product Overview

The Ergo Dock features a sleek, minimalist design with a matte black finish (Pantone 426C) complemented by semi-gloss accents (Pantone 423C). The device is designed to sit on a bedside table and serve as the central control hub for your adjustable bed.

2.1 Key Features

Feature	Description
Wireless Charging	Qi-compatible wireless charging pad with foreign object detection (FOD)
Voice Control	Offline voice recognition — no internet required, privacy-protected
Wake Words	"Hello Ergo" and "Hello Bed" — say the wake word followed by a command
Bed Position Control	Head/foot raise/lower, preset positions (Zero G, Flat, Favorite, TV)
Massage Control	Head/neck massage with adjustable intensity (On/Up/Down/Off)
Anti-Snore	Automatic snore detection with three sensitivity levels (Low/Med/High)
Lumbar & Tilt	Independent lumbar and tilt adjustment controls
Bed Light	Voice-controlled under-bed lighting (On/Off)
Bluetooth	Bluetooth pairing for mobile app connectivity
LED Indicators	Multi-color LED indicators for charging, snore sensitivity, and Bluetooth status
Wired Charging	When only one port is loaded, the maximum output power is 7.5 W (5 V, 1.5 A). If both ports operate at the same time, the aggregate output power is capped at 10 W (5 V, 2 A).

3. Controls and Indicators

3.1 Physical Controls

Control	Function
Bluetooth Pair Button	Press and hold 2 seconds to enter Bluetooth pairing mode
Anti-Snore Button	Short press: cycle sensitivity (Low > Med > High) Press and hold 3 seconds: disable anti-snore function
Voice Control Switch	Toggle ON/OFF to enable or disable offline voice recognition

3.2 LED Indicators

LED Color	Pattern	Meaning
Green	Illuminates for 10 seconds	Wireless charging active — device charging normally
Red*3	Illuminates for 10 seconds	Charging error or foreign object detected on charging pad
Blue	Illuminates for 10 seconds (intensity varies)	Anti-snore sensitivity setting indicator (Low/Med/High)
Blue	Flashes 2 times	Anti-snore function disabled
Blue	Flashing for 20 seconds	Bluetooth pairing mode active
Blue	Flashes twice	Bluetooth pairing successful
Blue	Flashing for 30 seconds then stops	Bluetooth pairing timeout — no device found
Green	Illuminates for 3 seconds	Voice command received, listening for 8 seconds
Green	Flashes 2 times	Voice listening timeout (8 seconds elapsed)

4. Wireless Charging

The Ergo Dock features a built-in Qi-compatible wireless charging pad on its top surface. Simply place your Qi-enabled smartphone or device on the charging area to begin charging.

4.1 How to Charge Wirelessly

- Place your Qi-compatible device directly on the charging pad area of the Ergo Dock.
- The green LED indicator will illuminate for 10 seconds to confirm charging has started.
- Remove your device from the pad when charging is complete.

4.2 Charging Error Indication

If a charging error occurs (e.g., foreign object on the pad, incompatible device, or device misalignment):

- The LED indicator will turn red and illuminate for 10 seconds.
- The red LED will flash 3 times, then turn off after 30 seconds.
- Remove any foreign objects and reposition your device on the pad.

4.3 Wired Charging Alternative

The Ergo Dock also provides a wired USB charging port (5V/1A) for devices that do not support wireless charging or when faster wired charging is preferred.

5. Bluetooth Pairing

The Ergo Dock supports Bluetooth connectivity for integration with the companion mobile app, enabling remote control, firmware updates, and advanced settings.

5.1 Pairing Procedure

- Press and hold the Bluetooth Pair Button on the front panel for 2 seconds.
- The front LED will begin flashing, indicating the device is in pairing mode (active for 20 seconds).
- Open the companion app on your smartphone and scan for available devices.
- Alternatively, scan the QR code on the device to initiate pairing.
- Select "Ergo Dock" from the list of available devices.
- Once paired successfully, the LED will flash twice.

5.2 Pairing Timeout

If no device is paired within 30 seconds, the pairing mode will automatically exit. The LED will stop flashing, and you will need to repeat the pairing procedure.

5.3 Turning Bluetooth On/Off

- Press and hold the Bluetooth Pair Button for 3 seconds to toggle Bluetooth on or off.
- When Bluetooth is turned on, the LED will flash to indicate pairing mode is active.
- Press and hold for 3 seconds again to turn Bluetooth off.

6. Voice Control

The Ergo Dock features a built-in offline voice recognition system. All voice processing occurs locally on the device — no audio is transmitted to the cloud, ensuring complete privacy.

6.1 Wake Words

The device responds to two wake words:

- "Hello Ergo" — Primary wake word
- "Hello Bed" — Alternative wake word

After speaking the wake word, the green LED will illuminate for 3 seconds, and the device will listen for your command for 8 seconds.

6.2 Voice Command Timeout

If no command is spoken within 8 seconds after the wake word, the LED will flash 2 times and the device will return to standby mode.

6.3 Enabling/Disabling Voice Control

- Use the Voice Control Switch to turn voice recognition ON or OFF.
- When OFF, the device will not respond to any wake words or voice commands.

6.4 Available Voice Commands

After speaking a wake word, say one of the following commands:

Voice Command	Action
All Up	Raise both head and foot sections simultaneously for 3 seconds
STOP	Stop all running bed movements immediately
Zero G	Move bed to Zero Gravity preset position
Flat Preset	Move bed to flat position
Favorite Preset	Move bed to your saved favorite position
TV Preset	Move bed to TV viewing preset position
Raise-head	Raise the head section for 3 seconds
Lower-head	Lower the head section for 3 seconds
Raise-foot	Raise the foot section for 3 seconds
Lower foot	Lower the foot section for 3 seconds
Massage On	Turn on head/neck massage
Massage Up	Increase massage intensity
Massage Down	Decrease massage intensity
Massage Off	Turn off massage function
LIGHT ON	Turn on under-bed lighting
LIGHT OFF	Turn off under-bed lighting
ANTI-SNORE	Activate anti-snore detection with preset position
RAISE LUMBAR	Raise lumbar support for 3 seconds
LOWER LUMBAR	Lower lumbar support for 3 seconds
RAISE TILT	Raise tilt for 3 seconds
LOWER TILT	Lower tilt for 3 seconds

Note: Each bed movement command (Raise/Lower) operates for 3 seconds per invocation. For continuous movement, repeat the command.

7. Anti-Snore Function

The Ergo Dock includes an intelligent anti-snore detection system that monitors snoring patterns and automatically adjusts the bed position to help reduce snoring.

7.1 How It Works

When the anti-snore function is enabled, the device uses its built-in microphone to detect snoring sounds. Upon detecting snoring, the bed automatically adjusts to a preset anti-snore position (slight head elevation) to help open the airway and reduce snoring.

7.2 Sensitivity Levels

The anti-snore function offers three sensitivity levels:

Sensitivity	Description
Low	Least sensitive — triggers only with frequent snoring
Medium	Balanced sensitivity for typical use
High	Most sensitive — triggers with light snoring

7.3 Adjusting Sensitivity

- Short press the Anti-Snore Button to cycle through sensitivity levels: Low > Medium > High > Low...
- The blue LED indicator will illuminate for 10 seconds, with brightness corresponding to the selected sensitivity level.

7.4 Enabling/Disabling Anti-Snore

- Press and hold the Anti-Snore Button for 3 seconds to disable the function.
- The blue LED indicator will flash 2 times to confirm the function is disabled.
- To re-enable, press and hold the Anti-Snore Button for 3 seconds again.

7.5 Anti-Snore Process

When snoring is detected (based on the selected sensitivity threshold):

- The bed automatically adjusts to the anti-snore preset position.
- The bed will remain in the adjusted position until you manually change it.
- To cancel the anti-snore adjustment, use the "STOP" voice command or manually adjust the bed.

8. Bed Control Commands

The Ergo Dock provides comprehensive control over your adjustable bed. Commands can be issued via voice control (see Section 8) or through the companion app via Bluetooth.

8.1 Preset Positions

Preset	Description
Zero G	Zero Gravity position — distributes weight evenly for pressure relief
Flat	Completely flat position
Favorite	Your custom saved position (set via app)
TV	TV viewing position — slight head elevation for comfortable viewing
Anti-Snore	Slight head elevation to reduce snoring

8.2 Manual Adjustments

Function	Commands	Duration per Command
Head Section	Raise-head / Lower-head	3 seconds per command
Foot Section	Raise-foot / Lower-foot	3 seconds per command
Lumbar Support	RAISE LUMBAR / LOWER LUMBAR	3 seconds per command
Tilt	RAISE TILT / LOWER TILT	3 seconds per command
Massage	Massage On / Up / Down / Off	Toggle / continuous
Bed Light	LIGHT ON / LIGHT OFF	Toggle
Stop All	STOP	Immediate stop

FCC Caution:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 radiate 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 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 into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator and your body: Use only the supplied antenna.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

IC Caution:

RSS-Gen Issue 5 "&" RSS-Gen numéro 5

- English:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF exposure statement:

The equipment complies with IC Radiation exposure limit set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

- French:

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes:

(1) Cet appareil ne doit pas causer d'interférences.

(2) Cet appareil doit accepter toutes les interférences, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil.

Tout changement ou modification non expressément approuvé par la partie responsable de la conformité pourrait annuler l'autorité de l'utilisateur à utiliser l'équipement.

Déclaration d'exposition RF:

L'équipement est conforme à la limite d'exposition aux radiations de la IC établie pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.