

Controller Instruction Manual

Model	EK-E98000038A01
Power Specifications	Input: 100–240 VAC, 2.5 A max, 50/60 Hz Output: Rated DC 12.5 V / 9.6 A, 120 W
Hardware Platform	RK3568
Operating System	Linux
Interfaces	1、 Power Interface: Connects to a 12.5 V DC power supply. 2、 Tail Light Module Interface: Connects to the tail light module harness. 3、 OTG Interface: Connects to the voice module harness. 4、 Pressure Pad Interfaces: Connects to the pressure pad harness.
Buttons	Reset: Reset button. Recovery: Factory reset button
Weight	15.8kg
Dimensions	845mm x 275mm x 93mm
Functions	The controller serves as the central control unit of the mattress. Its main functions are as follows: 1、 Inflates and deflates the air bags by controlling the air pump and solenoid valves. 2、 Monitors the air pressure in the air bags. 3、 Receives data from the pressure pads and uses the onboard algorithm to determine the user's lying posture. 4、 Detects the user's respiration and heart rate using a high-precision pressure sensor.
FCC warning	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. Caution: 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. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated at a minimum distance of 20 cm between the radiator and your body.
Instruction Description	After connecting the mattress to a power supply, wait 30 seconds, then use the APP to configure the mattress's Wi-Fi network via Bluetooth. The next time the mattress is powered on, it will automatically connect to the previously configured Wi-Fi network. Once the network connection is successful, the system enters standby mode. You can then lie on the bed, and the mattress will detect your sleeping posture and automatically adjust the firmness of the air bladders in different areas of the body to provide a comfortable sleeping experience. You can also use the APP to switch the bed's operating modes, such as Adaptive Mode and Floating Mode. While you are lying on the mattress, it continuously monitors your heart rate and respiration in real time and generates a sleep report the following day. The controller is installed at the back of the bed, and the controller antenna is the highest point of the electronic part and the largest radiation source. The antenna is 23cm perpendicular to the surface of the mattress, The following is the installation diagram

