JCB35K6 Control box



JCB35K6 is a control box specifically designed for patient lifts. It supports up to three actuators, assisting caregivers in safely transferring patients with limited mobility. The battery can be removed for charging or charged while integrated with the unit. It features a long service life and allows for easy battery replacement.
The cable features an anti-pull-out design to effectively prevent accidental disconnection from the socket.

General Features

Main Power:	2 × 12V / 4.5Ah lead-acid batteries
Actuator Interface:	Max 3 channels, 6-pin ET bending plug
Handset Interface:	1 channel, 10-pin crystal bending plug
Standby Power:	≤0.1W(When the emergency stop switch is not pressed)
Color:	Gray
Duty Cycle:	10%-2/18minutes, 25°C
Net Weight:	About 4.05kg
Protection Class:	Max.IP66(do not direct water jet when in use)
Battery Power Display:	Displayed on the patient lift handset panel
Emergency Stop Switch:	Cut off battery power in an emergency
Safety System:	M1 use single-channel over-current protection (M2/3 use another sing-channel over-current protection)
Flame Retardant Grade:	V0
Cable Clamps:	Provided for all ports
Approvals:	BY Air Certification for Safe Transport of Chemical Goods BY Sea Certification for Safe Transport of Chemical Goods IEC60601-1 IEC60601-1-2

Special Function

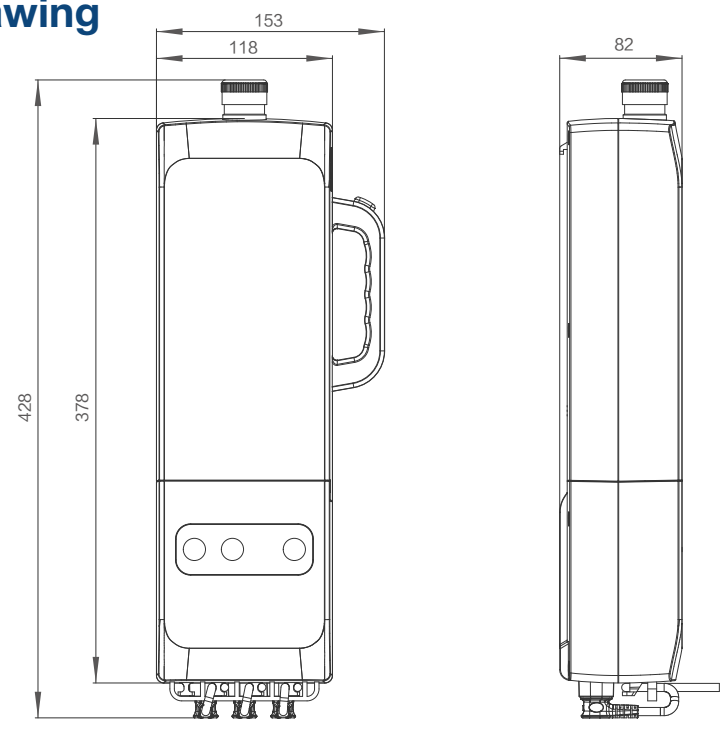
- Safety functions: Protection from overheating, over current. Low voltage alarm, battery maintenance, actuator maintenance reminder(flashing light, buzzer alarm).
- Quick release function: When there is a need for emergency release, it can be achieved by press the "quick release button"
- Charging: The battery box can be removed separately for charging, or it can be charged as a whole when connected to the control box

Usage

Supporting system:	M1 with JC35K1/JC35L12/JC35L28 small signal actuator; M2/3 standard actuator and JCH35V2, JCH35A10/A11 handset.
Charging Method:	DC (adapter powered)
Charging time:	About 8 hours.
Operating temperature:	+5°C ~ +40°C.
Charging temperature:	+5 °C ~ +40 °C The high temperature will affect the charging time.
Storage temperature:	10°C ~ +40°C (+10°C ~ +25°C recommended) The battery must be stored in a suitable storage room where is not exposed directly to sunlight.
Relative humidity:	20% to 80% - non-condensing.
Atmospheric pressure:	700 to 1060hPa
Altitude:	Max. 3000 m

Notes:
Charging during storage: After sea transportation,due to potentially high temperatures inside the container, the battery must be charged for 8 hours promptly. Do not leave the battery uncharged for more than 2 months, otherwise its service life will be affected.
(1) The battery must be charged at least once every 3 months;
(2)When there is water on the surface of the male and female connectors of the control box's charging interface, wipe it off to ensure that there is no water before connecting and using it; (3) When storing, the control box must not be placed with the button panel facing down; (4) When installing the battery box, ensure that the installation surfaces of the battery box and the control box are clean and free of water droplets

Dimension Drawing

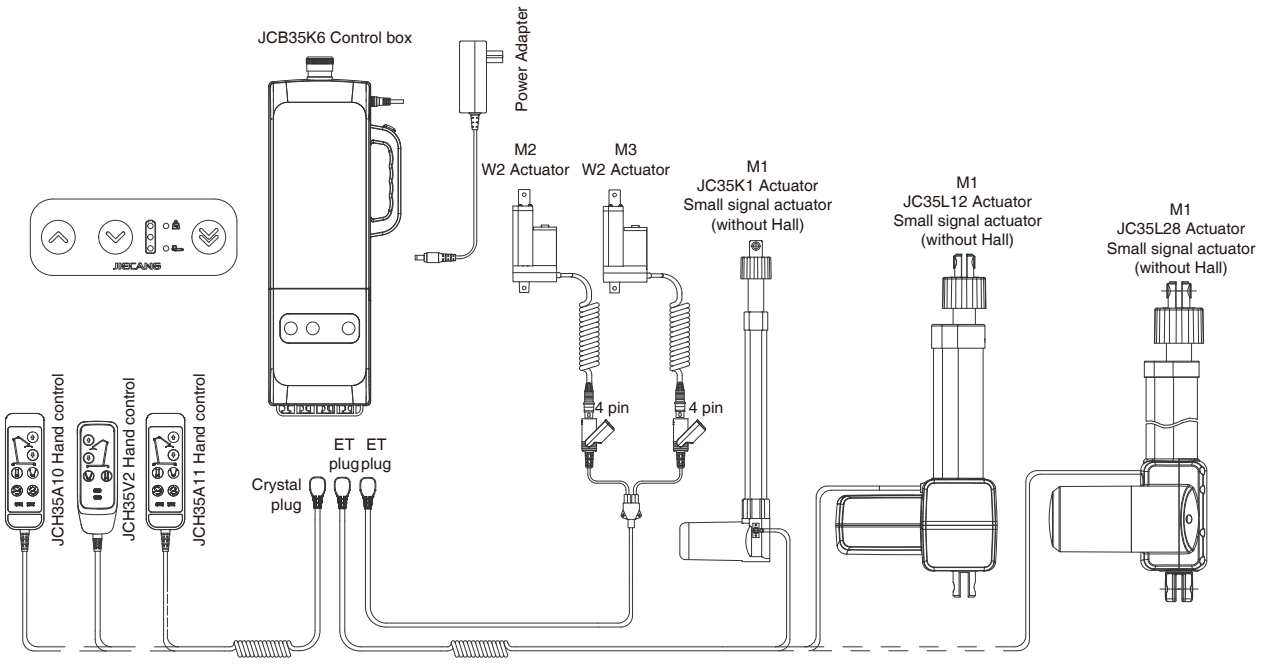


Ordering Key

Take **JCB35K6AM33GXXXXX4D500** as an example

Model	**JCB35K6**	JCB35K6=K series control box
Extension features	**X**	A=With Battery / M=With chips Y=Remote control
Channel	**X**	3=3 channels
Input voltage	**X**	5=20-30VDC
Colour	**X**	G = Gray
PCB code	**XXXXX**	Specific code
Power or capacity	**XXX**	4D5=4.5Ah
Optional features 1	**X**	0=None
Optional features 2	**X**	0=None

JCB35K6 System Connection



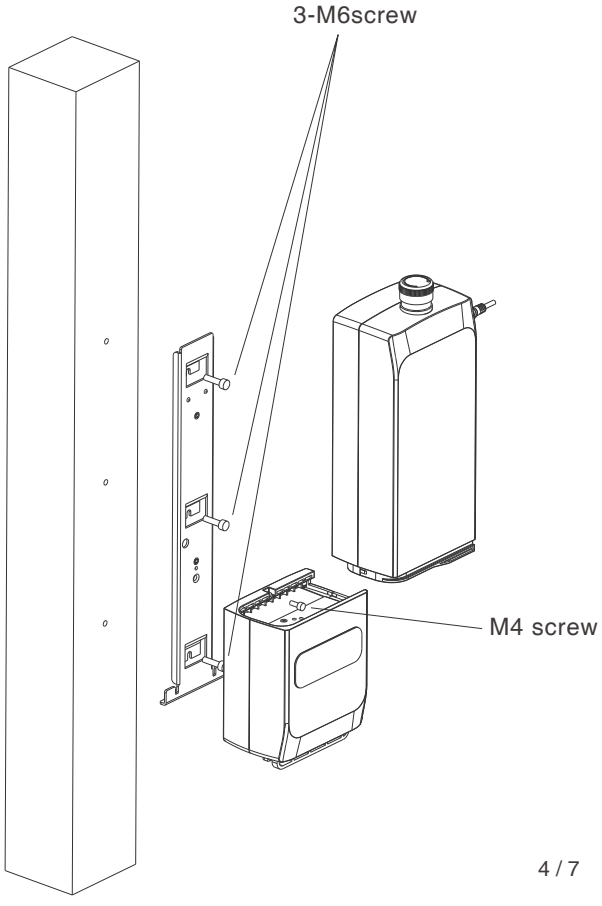
Installation

The JCB35K6 patient lift control box can be installed on the patient lift or other applications by following the steps below:

1)Secure the mounting plate to the lift frame using three M5 screws.

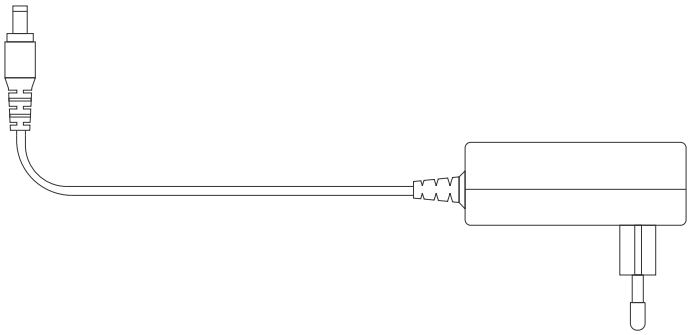
2)Insert the patient lift control box from the top down into the mounting plate, then secure it to the mounting plate using an M4 screw.

3) Slide into the battery compartment from right to left along the chute

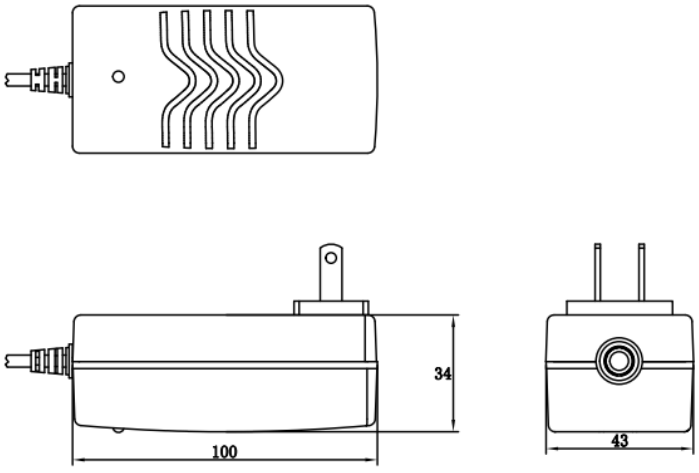


Charging Methods

Charging Method Power cord plug specifications available upon request (Chinese, European, British, American, Australian, Japanese). For specific requirements, please contact Jiecang.
DC: Headphone plug, JCP35PA adapter

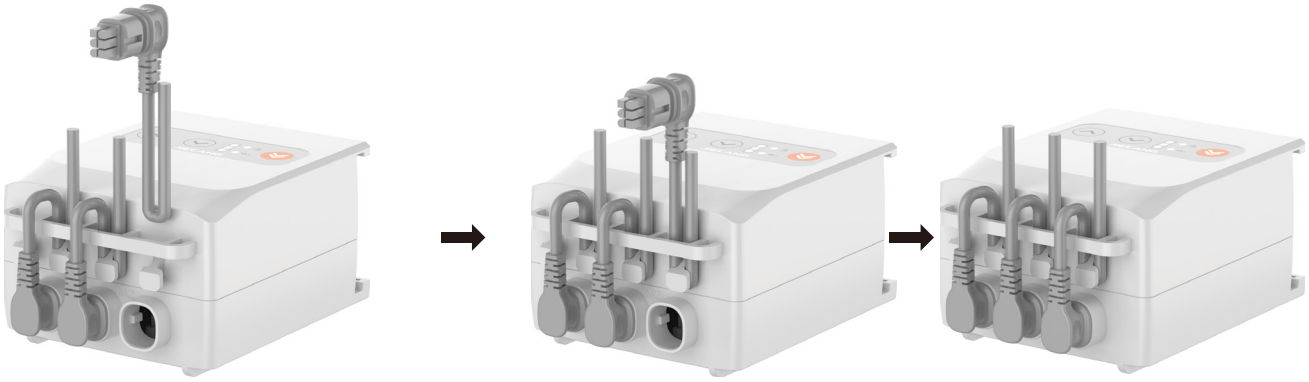


Adapter Dimensional Drawing



Cable Management

Complete the insertion as shown in the figure below.

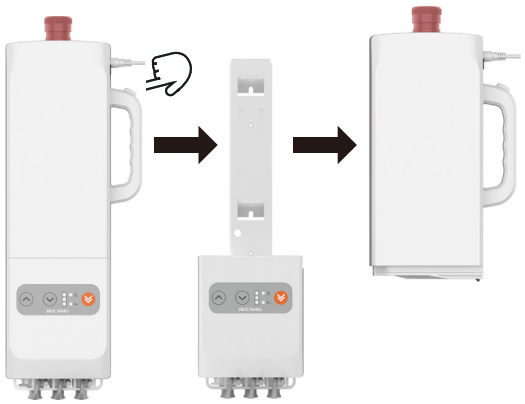


1.Insert the wiring harness into the designated position as shown in the figure. Leave a reservation of about 110mm from the plug to the bending position

2.Snap the cable sheath into the cable clamp.

3.Insert the plug into the controller.

Battery Pack Removal and Installation



1. Press and hold the switch.

2. Slide the battery pack out from left to right along the guide slot.

JCB35K6 Control Panel

Buttons: M1 Up / Down / Quick release
Indicator Lights: Battery Level Indicator / Overload Indicator / Actuator Service Indicator



Emergency Stop Switch

In an emergency, press the emergency stop switch to quickly cut off power; all movements will stop. To resume operation, turn the emergency stop switch clockwise following the arrow direction on the switch; the controller power will be turned on, and normal operation can be resumed.



Strictly abiding by medical safety certifications

Passed EMC tests. To ensure our products pass all kinds of tests domestic or abroad.

Communication protocol development

Aiming at different applications, develop more extensive functions for control system.

Professional customization

Powerful R&D strength, fully satisfy customers' needs. Development cycle is about 10 days, seizing more market opportunities

Intelligent Control of Bluetooth

Mobile phone as the remote, applying in home care. Market pioneer, Jiecang provides better choices

Wireless Communication

Controllers adopt high-frequency wireless system. It can avoid interference mixing with signal receivers, assisting in remote control over medical equipment.

Latest Weighing System

Designed for physiotherapy beds and medical care beds. Cantilever carrying weighing sensor, it is applicable to different bedsteads dispensing with any adjustment

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Notes for mounting and usage can be found in the corresponding mounting manual

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