

# Control Box

## CS2-BT

The CS2-BT control box uses Bluetooth remote control to operate, and can drive up to 2 actuators. It can also be connected to an external LED under-bed light and an external USB charging dock.

Optional sync cable is also available to connect two CS2-BT control boxes, which can operate two beds moving simultaneously.

Mainly used in furniture beds



### Features

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- Main applications: Home care
- Input: 29V DC (SMPS, not included)
- Output: 29V DC
- Max. number of actuators: 2 channels (support joint-movement)
- Rated output current: 4.5A (per channel)
- LED indicator
- With anti-pull clip
- Supports two-bed synchronization, connect two CS2-BT control boxes with a sync cable (Not included, order separately)
- Supports position memory function
- Supports external USB dock (Not included)
- Supports external underbed light (Not included)
- Operated by Moteck TXQ Bluetooth remote control
- Customized APP can be provided to control by smart phone. Please contact MOTECK sales if needed.
- Duty cycle: 10%, max. 2 min. continuous operation in 20 min.
- IP level: IP42
- Color: Black
- DC power cable: 1000mm straight, with Moteck S-type DIN 41529 plug
- Ambient operation temperature: +5°C~+40°C

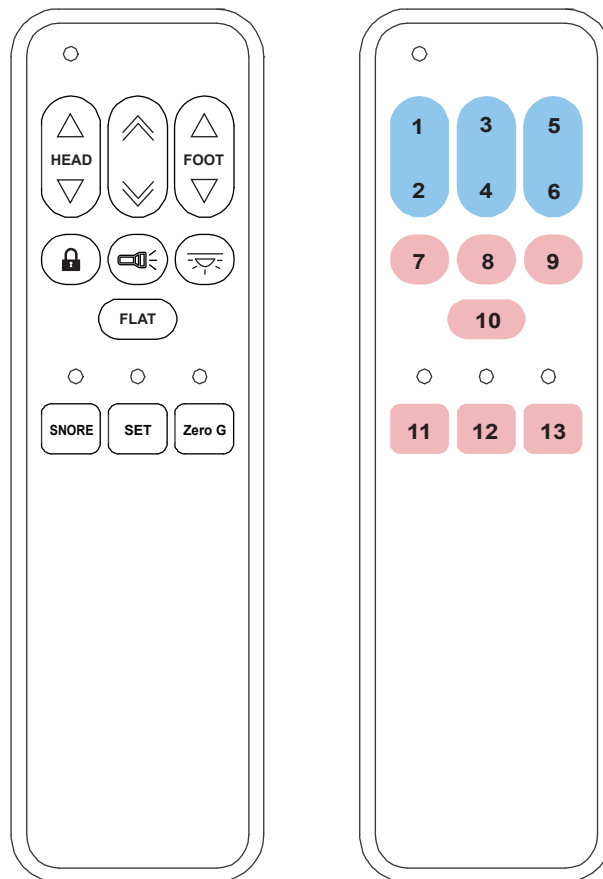
# I/O Introduction

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- TXQ remote control (must order separately)

- Available number of keys: 13
- Key backlight (blue) \ LED torch (white) \ LED indicator (green)
- Battery: AAA x 3



- Before using CS2-BT for the first time, you need to pair with TXQ remote control, and then you can operate it at any time

<b>Pairing</b>	<ol style="list-style-type: none"><li>1. First press the "pairing learning button" of the control box, and press <b>2 + 5</b> within 30 seconds to start pairing.</li><li>2. During pairing, the control box indicator flashes green, and the remote control backlight and indicator flashes blue.</li><li>3. If the pairing is successful, the indicator light of the control box will light up green, and the remote control backlight and indicator will light up blue.</li></ol>
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• Key definition

No.	Definition	
1	M1 extends	HEAD up
2	M1 retracts	HEAD down
3	M1, M2 extend	HEAD & FOOT up
4	M1, M2 retract	HEAD & FOOT down
5	M2 extends	FOOT up
6	M2 retracts	FOOT down
7	LOCK	Long press this key to switch the keys lock/unlock function. When switching lock/unlock, the backlight flashes for 3 seconds. In lock, if you press any key, only the backlight of remote control will flash.
8	LED torch	Press this key to light up LED torch of the remote control, release the key to turn off
9	Underbed light	Switch on/off the underbed light
10	FLAT	One click makes all actuators retract to the end automatically and stop. The bed is lowered to a flat position. During retraction, press any key to stop the action, except keys 7, 8, and 9
11	SNORE	<ol style="list-style-type: none"> <li>One click makes the HEAD and FOOT actuator to move to the specified position* (M1 actuator extends to 17mm, M2 actuator retracts to the end of the stroke)</li> <li>To adjust the specified position*, operate the actuator to the specified position first, then press 12 to save it</li> <li>Clear and return to default position*: first press 12 until the backlight flashes 3 times, then long press 11 at the same time to restore to default position*</li> </ol>
12	SET	Press this key to adjust the specified position of the SNORE or Zero G
13	Zero G	<ol style="list-style-type: none"> <li>One click makes all the actuators move to the specified positions*, where presents the most comfortable 'Zero-gravity' position of the bed. (M1 actuators extend to 28mm, M2 actuators extend to 80mm at the same time.)</li> <li>To adjust the specified positions*, operate the actuator to the specified position first, then press 12 to save it</li> <li>Clear and return to default position*: first press 12 until the backlight flashes 3 times, then long press 13 at the same time to restore to default position*</li> </ol>

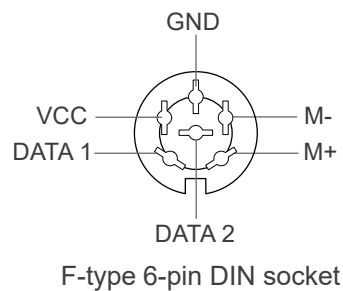
Definition	
<b>Sleep function</b>	<p><b>Enter Sleep mode:</b> If the remote control is not operated for more than 15 seconds, it will automatically enter the sleep mode, and the backlight of the remote control will be off</p> <p><b>In Sleep mode:</b> In sleep mode, the Bluetooth connection between the remote control and the control box is automatically disconnected, and the LED indicator on the control box is off</p> <p><b>Wake up:</b> Press any key to wake up from Sleep mode except <b>8</b>, and the backlight turns to continuous on</p>
<b>Sync control</b>	<p><b>Activate Sync control:</b></p> <ol style="list-style-type: none"> <li>1. Please retract all actuators to the end of the stroke, and then connect 2 CS2-BT control boxes with sync cable</li> <li>2. There is no need to re-pair the remote control after connection, and all key functions can be operated through one of them.</li> <li>3. When operating <b>11</b>, <b>12</b>, and <b>13</b> in Sync control mode, if the individual control box already has its memory position stored, the actuators will go to the individual memory position respectively.</li> </ol> <p><b>Stop Sync control:</b></p> <p>Unplug the cable to disable the Sync control</p>
<p><b>Remarks:</b></p> <ol style="list-style-type: none"> <li>1. Button <b>1</b> ~ <b>6</b> are momentary control way, and it stops as soon as the button is released.</li> <li>2. Please contact MOTECK sales to inquire about the availability of custom positions*.</li> </ol>	

## Compatibility

Product	Model	Compatible requirement
Actuator	BD61, BD62, FD20, FD40, FD60, FD61, GD70, LD3, MK33	<ul style="list-style-type: none"> <li>• With dual-Hall sensors</li> <li>• With MOTECK F-type DIN plug</li> </ul>
Remote control	TXQ	<ul style="list-style-type: none"> <li>• Bluetooth BLE protocol Ver. 4.X~5.2</li> </ul>
Power adapter	DPA-87-2930-C8	<ul style="list-style-type: none"> <li>• MOTECK S-type DIN 41529 plug</li> </ul>
USB charging dock	-	<ul style="list-style-type: none"> <li>• Input voltage 29V DC</li> <li>• MOTECK F-type DIN plug</li> </ul>
Under bed light	-	<ul style="list-style-type: none"> <li>• Input voltage 24V DC</li> <li>• MOTECK A2-type DIN 41529 plug</li> </ul>

## Socket

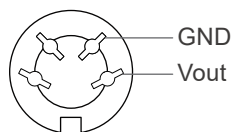
### - Actuator socket



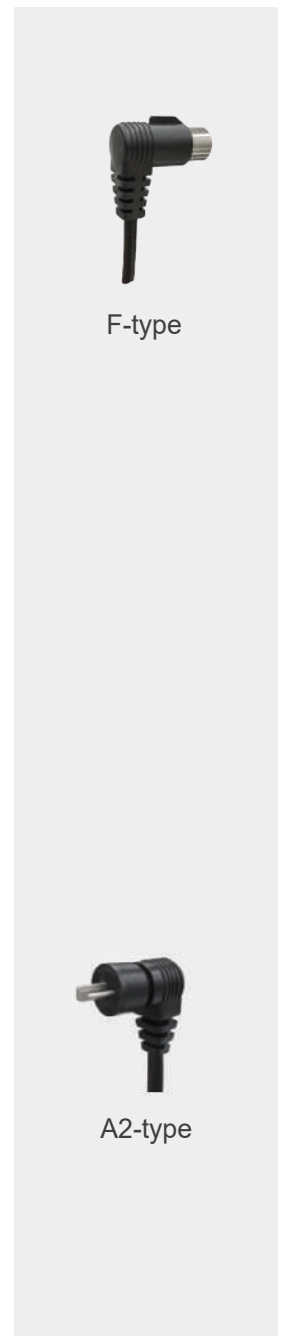
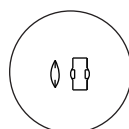
#### Remarks:

Connect M+ to "+" & M- to "-" of DC power, the actuator will extend.

### - Socket for USB charging dock



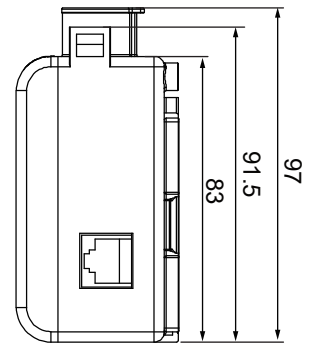
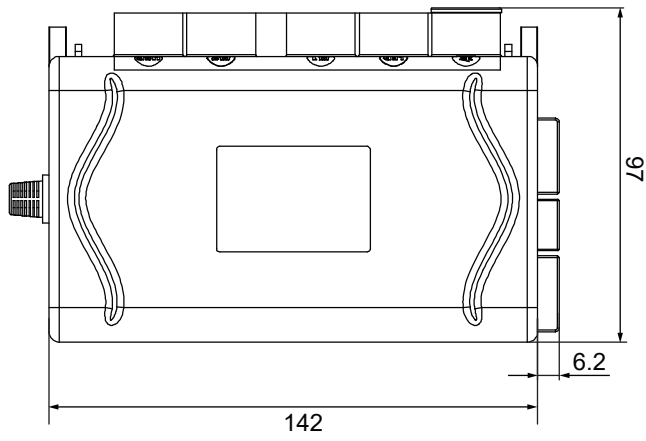
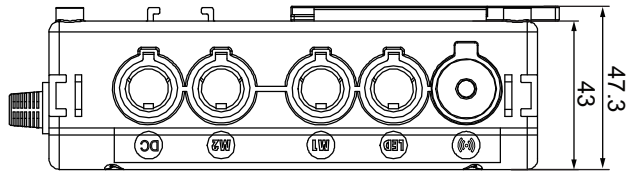
### - Socket for under bed light



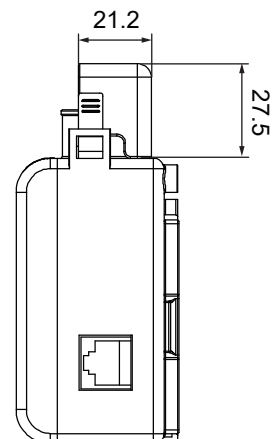
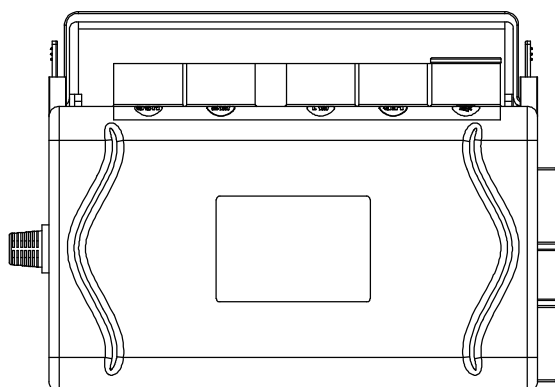
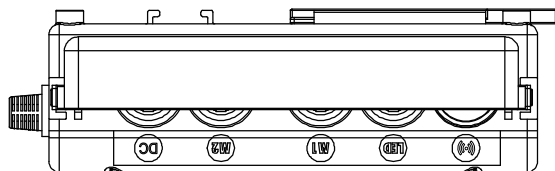
# Dimensions

- CS2-BT

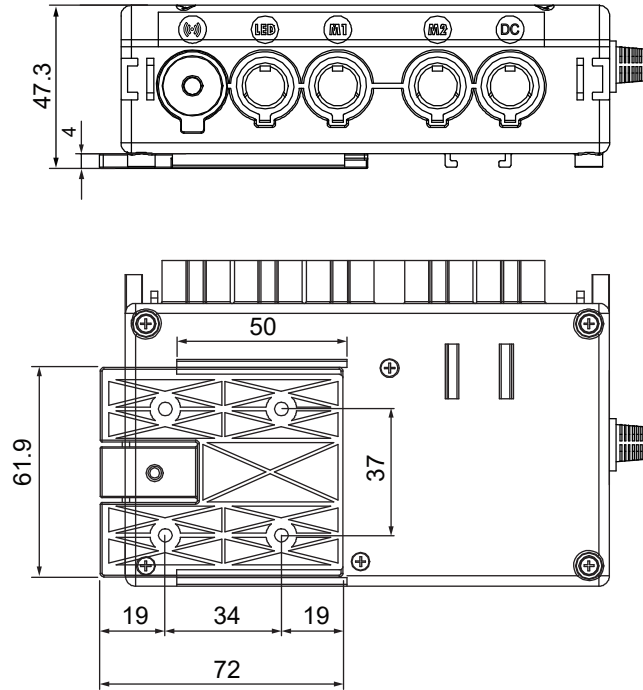
Unit: mm



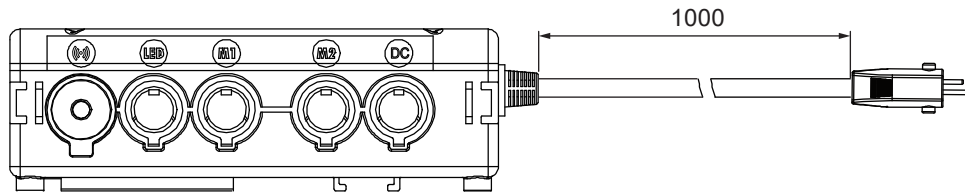
- With anti-pull clip



- With mounting plate



- DC power cord: 1000 mm straight, S-type DIN 41529 plug



- Sync cable (MOTTECK P/N: 71CBU3001), 2000 mm straight, RJ45 8-pin plug

