

QC inspection	
Item	Details
Transmitter	Frequency, power, indicator light, and dynamic and static power consumption ection inspection
Receiver	Frequency, sensitivity, relay contact inspection
Finished Proudcts	Function settings, button actions, cable output inspection
Packing	Apperance and accessories inspection

合格检验表	
项目	检验内容
发射器	频率、功率、指示灯及动静态耗电检测
接收器	频率、灵敏度、继电器接点检测
成品	功能设定、按键动作、电缆线输出检测
包装	外观及配件检查



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REMOTE CONTROL SYSTEM INSTALLATION & USER MANUAL

HT-CU

检验合格证粘贴处

Quality Assurance

The information provided contains general specification and technical characteristics of the products covered herein. The document is not intended to be used (nor is it a substitute) for determining the suitability or reliability of these products for specific application. It is the user's responsibility to perform appropriate and complete risk analysis, assessment and testing of the product for the relevant specific application. CBR accepts no responsibility for the consequences of the use of the information contained herein by any affiliate or affiliate. If you have any suggestions for improving this book, or if you find errors, please let us know.

All relevant national, regional and local safety regulations must be followed when installing and using this product. For safety reasons and to help ensure compliance with documented system data, only the manufacturer may perform repairs on individual components.

Warranty Commitment

The product enjoys 12-month warranty from exit factory date. During warranty period, if products are proved with quality defect, Company is willing to maintain. Products in need of repair is required to be sent to the company specified place.

The foregoing warranty does not include consuming parts such as relays, fuses, batteries, cables, or system damaged caused by wrong installation, not include failures caused by improper use or unauthorized modifications.



Remark

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Safety Instructions

- Please read the manual carefully before using the product.
- The manual must be kept by a dedicated person as part of product.
- The term "machine" appears in the manual refers to the devices controlled by wireless remote control.

1 Application

- Wireless remote control are used to control machines. Occupational safety and accident prevention must be noticed.
- Read the manual and follow all safety information when use.
- Wireless remote control is prohibited to be used in explosion-hazardous areas and the transmission of human, unless expressly authorized by the manufacturer.
- Program change must be made by CBR authorized and trained person. Changes must be documented in the company.
- It is prohibited to modify, remove, or bypass the safety devices in the wireless remote control system. It is absolutely prohibited to make changes to any part of the entire emergency stop part.

2 Notice

- Regularly inspect the casing and buttons, replace immediately if damaged.
- Always notice and check the transmitter voltage. please replace the battery immediately while insufficient or no power
- Check whether EMS button working properly before use.
- The emergency stop button must be pressed immediately when any abnormal status occurs
- The EMS button should be pressed when not temporarily used or operation complete
- Do not use two (or more) transmitters simultaneously operate the same device.

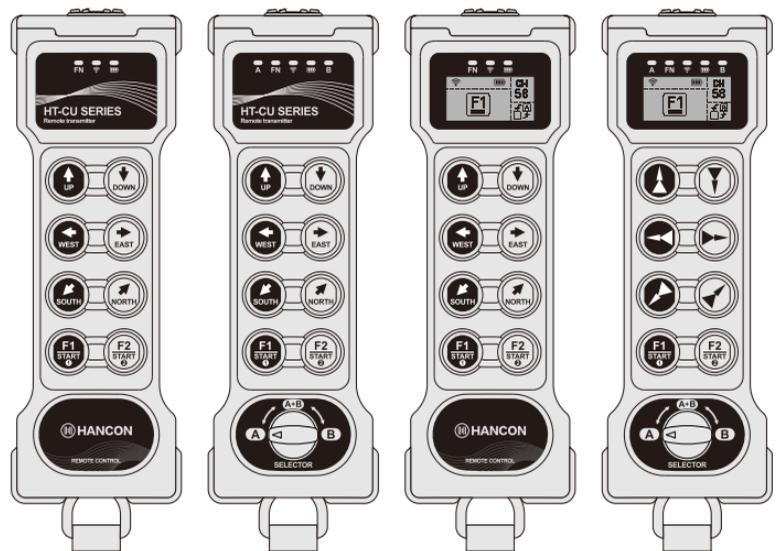
3 Safety Instruction

- Only electricians can connect the power wiring of the receive system. Please connect according to the wiring diagram.
- The receiver can only be opened by trained operator, internal live parts may have life-threatening high voltage. Power must be cut off before opening.
- No one is allowed to enter hazardous areas such as under the load of the crane to prevent personal injury accidents.
- Select a safe place has a good view of machine movement, load movement, and surrounding working environment conditions for operation.
- Please do not place open remote control launch system in unattended locations. When remote operation is not required, press the emergency stop switch of the launch system to turn off the launch system, especially when the operation location needs to be changed, when the remote control system is not needed, and after rest and work is completed.
- Effectively manage the remote launch system to prevent unauthorized use, e.g., lock the launch system. In case of an emergency or crane and the malfunctioning of the machine, please immediately press the abrupt stop switch on the launch system.
- Only operate the remote control system in normal working order, and any malfunctions or defects that affect safety must be eliminated by CBR's trained and authorized personnel before reuse.
- Please note that the direction of operation of the machine may sometimes be reversed depending on the location of operation and the Angle of view of the machine, especially for the operation of the rotary crane, if the operator's position changes from the inside of the crane to the outside radius of the crane, the operator must familiarize himself with the directional sign on the machine before starting his work.
- Wireless remote control system maintenance must be done by CBR, training of professionals authorized to complete. Please use the original parts for replacement and maintenance, otherwise the safety of the remote control system may not be guaranteed, and you cannot enjoy the subsequent warranty service.
- Before using the wireless remote control system should be familiar with its function, please be vigilant when working, it especially suitable for the first time or occasionally in the use of remote control system.
- Every time before start working, please check the status of a urgent stop switch, when urgent stop switch is pressed start launch system, the wireless signal status leds will flash a red light, MATE version of the OLED display screen and display system of the mark of sleep patterns. If not, remove the battery from the launcher immediately to turn off the wireless remote control system and contact the Remote Control System Service engineer.

HT-CU / HT-CU PRO / HT-CU MATE / HT-CU MATE PRO SERIES

SERIES	No. of pushbuttons				Pushbutton		Display	A/B SWITCH
	6	8	10	12	Single	Double		
HT-CU		●	●		●	●	-	-
HT-CU PRO		●	●		●	●	-	●
HT-CU MATE		●	●		●	●	●	-
HT-CU MATE PRO		●	●		●	●	●	●

● Standard - Not available



HT-CU Standard

HT-CU PRO Series

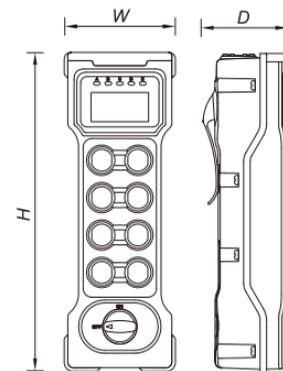
HT-CU MATE Series

HT-CU MATE PRO Series

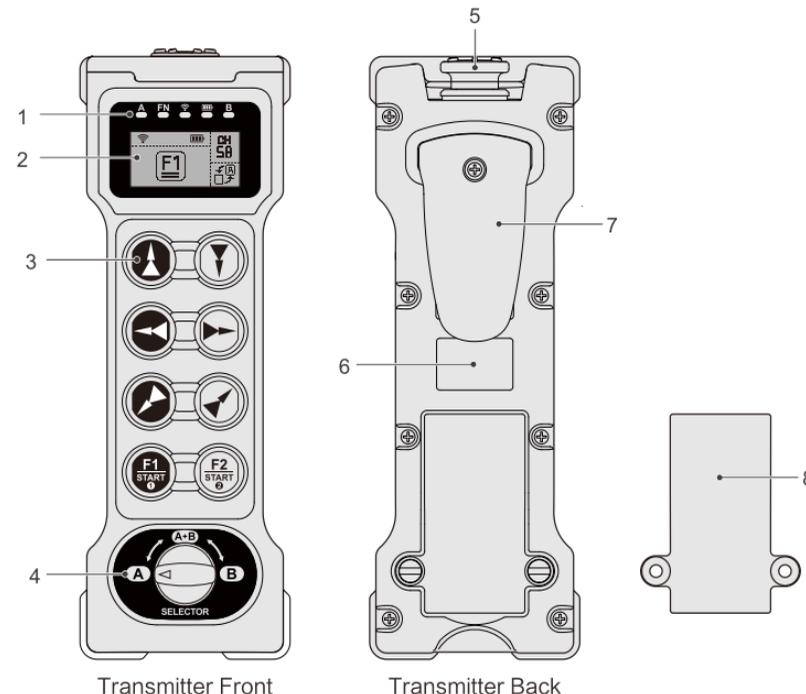
Transmitter Brief

HT-CU Series

- 1. LED indicator
- 2. OLED
- 3. Function key
- 4. A/B Switch
- 5. EMS Switch
- 6. Product label
- 7. Clip
- 8. Battery Compartment



Transmitter size (H x W x D)	
HT-CU-08 Series	192mm x 64mm x 46mm
HT-CU-10 Series	214mm x 64mm x 46mm
HT-CU-12 Series	236mm x 64mm x 46mm



Transmitter Front

Transmitter Back

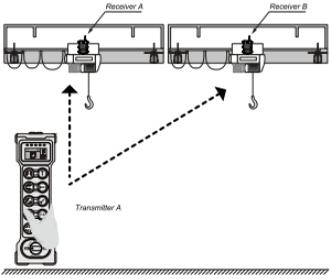
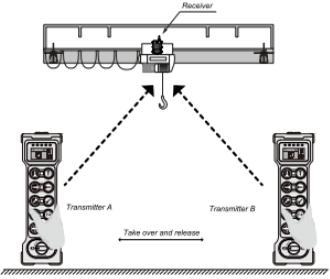
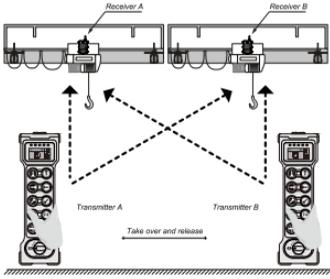
* On the HT-CU model, the data read and write interface is placed in the battery compartment.

Mode Brief

Customization function

We can customize a dedicated remote control system based on the actual needs of customers on site, while meeting the basic parameters of the remote control.

Special Function

			
<p>Spare transmitter</p> <p>The function is identical to the original transmitter without smart key.</p> <p>*When the original transmitter of the HT-NI series malfunctions, the smart key can be removed and inserted into the backup transmitter. The backup transmitter can replace the original transmitter and be used immediately.</p>	<p>One to Multi</p> <p>One transmitter can control multiple receivers.</p> <p>By using the selection function on the transmitter, control a single receiver or simultaneous control multiple receivers can be determined.</p>	<p>Multi to One</p> <p>Multiple transmitters can control one receiver. Select control and release of the receiver through the 'take over/release' function on the transmitter.</p> <p>The receiver can only be taken over by the transmitter in the "released" state.</p>	<p>Multi to Multi</p> <p>Multiple transmitters can control multiple receivers.</p> <p>Control and release of the receiver can be selected through the "take over/release" function on the transmitter.</p> <p>The receiver can only be taken over by the transmitter in the "released" state.</p>

Transmitter Operation

1 Transmitter installation

Batteries Installation:

- › Please check the battery power to avoid being unable to use; Pay attention to the direction of the battery during installation and ensure reliable installation of the battery; When not using the transmitter for a period, open the battery compartment and remove the battery.

Transmitter placement:

- › The transmitter should be placed in a safe and prominent place to avoid falling and damaging

2 Transmitter Start

- › Properly place 4 AA new alkaline batteries or full specialized rechargeable lithium batteries into the battery compartment, cover the back cover, and tighten the screws.

HT-CU Series:

- › Pull out the emergency stop switch (EMS) of the transmitter.
- › Press and hold "F1/stars 1" and "F2/stars 2" simultaneously for 3 seconds until the status LED indicator light remains on for 2 seconds or the OLED information screen shows successful startup, and then release it immediately to start normally.

4 Transmitter Led Indicator

Transmitter battery status indicator light		
Led indicator	Status	EXplanation
Green light slow	Flashing 5 times indicates 100% battery capacity	Transmitter battery power-on detection, the number of flashes of the battery status indicator light indicates that the system has detected the battery level of the installed battery
	Flashing 4 times indicates 80% battery capacity	
	Flashing 3 times indicates 60% battery capacity	
	Flashing 2 times indicates 40% battery capacity	
	Flashing 1 times indicates 20% battery capacity	
Red Light fast flas	Lack of battery power may lead to normal boot and use	During the operation of the transmitter, the battery status indicator light will slowly flash if battery capacity is low, indicate to replace the battery as soon as possible.
Transmitter wireless signal status indicator light		
Red light slow flashing	The system does not start or wireless communication does not work	Red light slow flashing indicates that the transmitter not start, the emergency stop button is activated, and wireless communication is not established.
Green light slow flashing	normal operation condition	Start status, the wireless communication emits signal.
Red light fast flashing	Starting	Standby mode, press "F1" + "F2" to start.
Green light stay on 2s	Start successfully	Start successfully, and the system is in a working state.
A/B Switch light		
Green light stay on	A green light stay on	Selection A
Green light stay on	B green light stay on	Selection B
Green light stay on	A、 B green light stay on	Selection A+B
FN Transmitter FN pairing indicator light		
Red light fast flashing	The transmitter enters the pair code operation	Wireless code pairing
Red light slow flashing	Transmitter and receiver communication, pairing status	
Green light stay on 2s	Pairing successfully	

FCC STATEMENT

1. 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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

2. 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.