FCC COMPLIANCE STATEMENT:
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.

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.

Warning: Changes or modifications to this unit not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

sloHEXtted

Safety · Reliability · Efficiency

# H Series Remote Control Manual

## 1 Product Description

sloHEXtted industrial remote control series is specially designed to control industrial-grade machinery and equipment; It's widely used in wireless remote control of a variety of industrial equipment, such as various cranes, tower cranes, conveyors and other crane equipment.

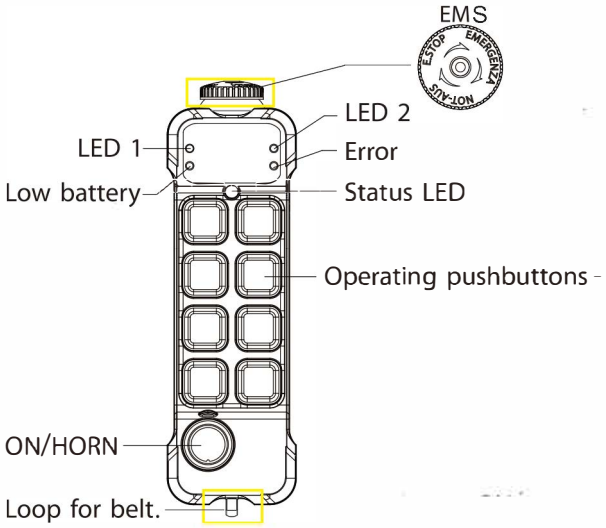
The main advantages are as follows :

1. The remote control has a total of 200 adjustable channels, which completely replaces the traditional single channel of quartz, which is difficult to switch and easily broken.
2. It's safe, simple and efficient for the receiver automatically searches the transmitter channel. Do not need professional equipment to pair a new replacement transmitter.
3. More than 1 million sets of non-repeatable ID codes: superior to other industrial wireless remote controls on the market, the sloHEXtted family has no duplicate ID codes.
4. Equipped with advanced microprocessors: 100% accurate coding and decoding are made for high security, high efficiency.
5. More than 200 function settings: The transmitter and receiver have more than 200 function settings, can fully meet the various work needs of customers.
6. The software and hardware of the whole series of products are completely compatible to avoid storing to o many spare parts to save unnecessary inventory and expenses for customers.
7. Durable silicone transmitter buttons: transmitter buttons can be uninterruptedly pressed 2 million times.
8. Reinforced fiber plastic shell plus silicone rubber case for transmitter and receiver to prevent damage ca used by strong impact and frequent drop.

## 2 Product Graphic Of Transmitter

A. Transmitter

1.Function description: The H series transmitter comes in different visions, featuring 6, 8, 10 or 12 pushbuttons. The H208 transmitter also features 2-step pushbuttons. Both steps of each pushbutton can operate different functions like controlling the speed of a movement, step 1: slow, step 2: fast.



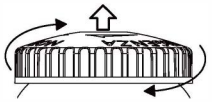





## 3 Operation Instructions

Transmitter Operation

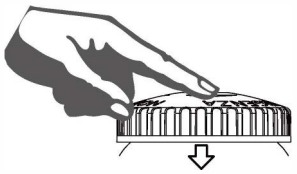
1). Rotate the red emergency button located in the top of the transmitter clockwise, and the button will pop up.



2). Press the green button, the green status light is flashing, and the remote control starts.

3). After completing the above operating procedures, you can press any button on the transmitter to control the crane or other equipment.

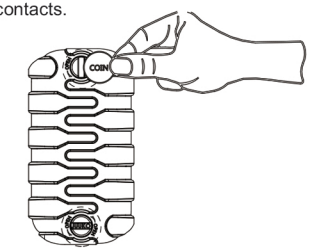
4). Turn the transmitter off by completely pressing the STOP-button. The transmitter turns off. All relays deactivate. and the receiver can cut off the main power supply of the equipment to stop the operation of the equipment.



5). If you want to restart, redo the boot action, as in the above procedures 1) and 2).

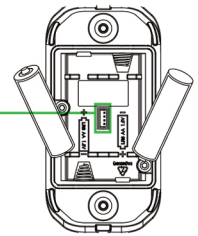
2. Replace the battery

Unscrew the battery cover on the back of the transmitter ; Put 2 "AA" Alkaline batteries into the battery slot and attach snugly to battery springs and contacts.




## Program the transmitters

1. Remove the battery cover
2. Remove both batteries.
The programming connector is placed behind the battery



## 4 Simple Diagnosis / Troubleshooting For Transmitter

Please check whether the remote control handset is in good condition before using the remote control. When it is found that it cannot be operated normally, you can follow the steps below to perform simple lamp diagnosis and troubleshooting. If the following is still not normal, please inform the dealer for repair.

| **The red and green indicator lights are off**<br>Remarks: Press any key, no light is on | **Red light flashing / long bright** | **The green light is flashing** |
|---|---|---|
| **Diagnosis and failure analysis**<br>i No power source<br>i i boot mode | **Diagnosis and failure analysis**<br>i The battery spring piece is dirty.<br>ii The battery power is insufficient.<br>iii The battery itself is damaged. | **Diagnosis and failure analysis**<br>i The receiver power supply is insufficient.<br>ii The receiver is not connected to a power source. |
| **Solution**<br>i Please check carefully whether the battery itself is damaged. Or dirt on the battery contacts causes poor contact.<br>ii Please replace with 2 brand new batteries and start the transmitter again.<br>iii rechargeable batteries need to be charged or replaced with new ones. | **Solution**<br>i Please check whether the battery itself is damaged.<br>ii Please check whether there is dirt on the battery spring which causes defects.<br>iii Please replace with brand new batteries and start the transmitter again. | **Solution**<br>i Please check the power of receiver.<br>i i Please check the fuse of receiver. |





## Technical data

TRANSMITTER

| | |
|---|---|
| Frequency range | 433MHz |
| Modulation method | 4GFSK |
| Typical operating range | 100M |
| Control system | PLL |
| Antenna impedance | 50Ω |
| Typical response time for Stop command and commands | 50mS~100mS |
| Power supply | LR6(AA)1.5V x2 |
| Antenna | Internal |
| Average power consumption | 16mA@DC3V (default setting) |
| Radio-frequency power | <10dBm (default setting) |
| Operating and storage temperature | (-20℃)~(+55℃) / (-40℃)~(+65℃) |
| Protection degree | IP65 |
| Dimensions | 193x57x51mm(2-8 buttons) |
| | 231x57x51mm(10-12 buttons) |
| Weight (including battery) | approx.325g (2-8 buttons) |
| | approx.390g (10-12 buttons) |
| Housing materia | PA6(30% GF) |

Quality assurance

sloHEXtted guarantees that when this product leaves the factory, it fully complies with the various technical indicators shown, and it can be used normally as long as it is installed correctly.

During the warranty time

This product enjoys a one-year warranty period from the date of shipment from the factory. If it is within the warranty period, sloHEXtted will be responsible for repairs if it is not damaged by humans. Any product that needs repair must be sent to the service office designated by sloHEXtted for inspection. The customer must bear the one-way freight for the product to the service office. During the warranty period, sloHEXtted will bear the return cost and return the product.

Unincluded items

The aforementioned warranty does not include wearable parts such as buttons, relays, fuses, and batteries. Improper use of the installed machine, irresistible reasons, natural factors, insufficient maintenance, neglect of operating environment and specifications. Failure and damage caused by unauthorized changes, wrong use, or the customer's own interface settings.

Remarks

There are no other warranties, express or implied, regarding the above warranty.

The repairs provided by the warranty are the sole compensation of the customer and sloHEXtted is not responsible for any direct, indirect, special, accidental or causal liability.

Matters needing attention

※ Persons without professional training are not allowed to disassemble the machine, otherwise it may be damaged and cause casualties.

※ This manual is for the user's reference only. For detailed technical questions, please consult the agent.

※ This machine has been rigorously tested before it leaves the factory, but it should not be used if it is dangerous and may cause losses.
※ After use, the main power supply of the equipment should be turned off, the power supply of the receiver should be cut off, and the key switch of the transmitter should be removed.
※ The transmitter should be placed in a safe place, and personnel should not press it randomly to avoid accidents.
※ The equipment should have a total power relay, limit switch, and other safety facilities.
※ Stop using it under lightning strikes or interference.
※ Make sure that the transmitter battery is sufficient and the receiver voltage is normal.
※ Turn off the main power supply of the equipment and the power supply in the receiver during installation or maintenance to avoid electric shock.
※ When necessary, the manufacturer will appropriately change and upgrade the machine. Therefore, the content will be adjusted according to the new machine at any time without notice.

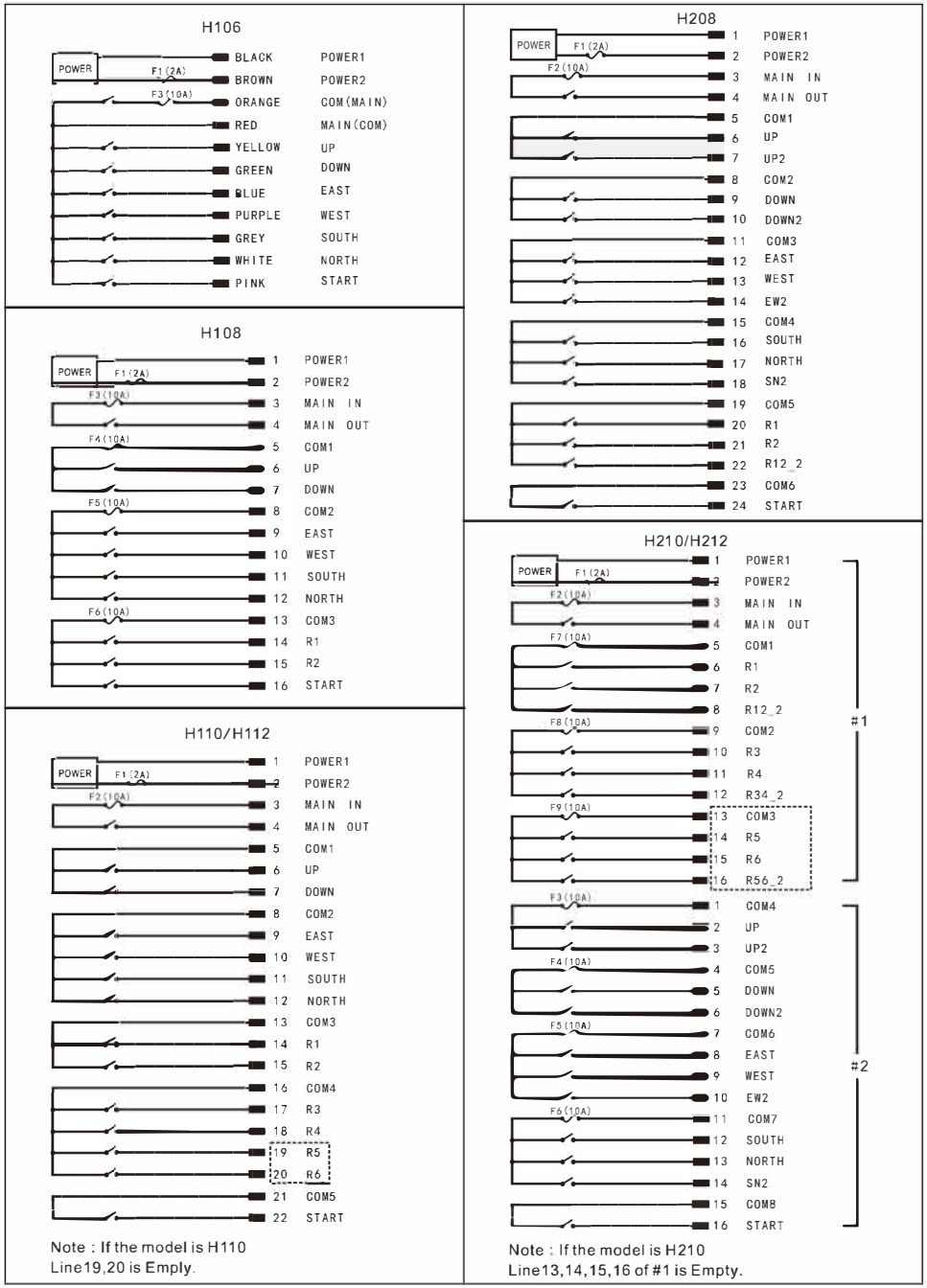
Precautions for operators
※ Users must have received H series operation training to be familiar with the operation method.
※ The operator must be in good health, good spirits, and be able to identify and judge the safety of the operation, and have the operation qualification certificate.
※ The series of sturdy transmitters can resist considerable impact and weather resistance, but it may be damaged by excessive or deliberate collision or squeezing.
※ Operating users should pay attention to the indicator light on the transmitter. If the red light is continuously flashing, there may be an abnormality or malfunction, or the battery may be exhausted. At this time, the operation should be stopped immediately, and the battery should be replaced. It can be operated after the indicator flashes normally.
※ Once the equipment is found to be severely disturbed, the operation must be stopped immediately.
※ If the remote control is not used for a long time, the battery in the transmitter must be taken out.

Installation Precautions
※ When installing the receiver, turn off the main power supply of the equipment first and ensure that the power supply is cut off to avoid electric shock.
※ The receiver installation position should be kept away from sparks, such as away from the motor, cables, high voltage wiring of the inverter, etc.

Other Interference Facilities
※ When installing the receiver, it must be fixed and locked to avoid loosening or falling of the receiver.
※ You should really understand the power distribution of the crane and the setting status of the remote control function (including relay output) to avoid incorrect wiring.
※ The receiver cannot be installed in the electric control box. The correct installation method is to fix the receiver on the top (or outside) of the electric control box, and then pass the receiver output cable into the electric control box for proper wiring .
※ This series of remote control has 4 billion sets of security codes. Each security code setting is different when leaving the factory. Please confirm whether there are remote controls with the same channel within 100m of the area during installation to avoid mutual influence and interference.

## 8 sloHEXtted-H Series Wireless Pairing

How to pair a new transmitter to the original receiver:

1. The receiver enters the pairing mode: When the receiver is powered on, press and hold the small black button marked “sync”"3 seconds" on the circuit board in receiver, and wait for the red and green lights flash alternately.
2. The transmitter enters the pairing mode: When the transmitter is powered on, press the emergency stop; press "up" and "down" alternately four times, then the red and green lights on the transmitter flash alternately.
3. Press the “Down” button while hold down the green start button (START) on the transmitter. After that, all the lights are off, then, the receiver code and settings are successfully downloaded to the transmitter. The new transmitter can control the original receiver.

## 9 Wiring Diagram