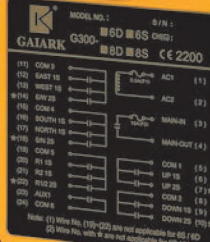


G300

SERIES

INDUSTRIAL
RADIO REMOTE CONTROL

Wireless - the ONLY solution for controlling



GAIARK

G300 SERIES INDUSTRIAL RADIO REMOTE CONTROL

“GAIARK” The Pioneer of Industrial Remote Control

Making your own remote control

- ONE for ALL. Great flexibility for expanding & upgrading your system with hardware/software. i.e.: Plug in auxiliary relay module to expand the numbers of relay contacts.
- One single transmitter fits all models - making maintenance service easier than ever and reducing spare parts spending.

Patented Receiver Housing

- Extraordinary design with all components/parts/cables fixing on the upper part of receiver instead of lower casing.
- When it comes to service, simply remove the upper casing instead of the entire receiver. This makes maintenance easier and safer specially on the crane with very limited space. Self-tapping screws provided to fix the receiver on the control box easily and efficiently.

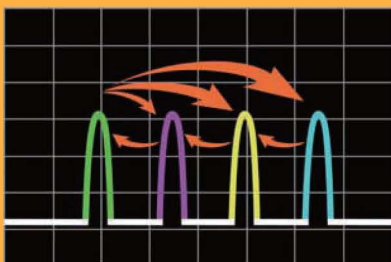
Receiver Multifunctional LED Indicator

- The large size LED indicator provides crucial messages to guide the ground operator such as: receiver power status, crane operation, malfunction etc.



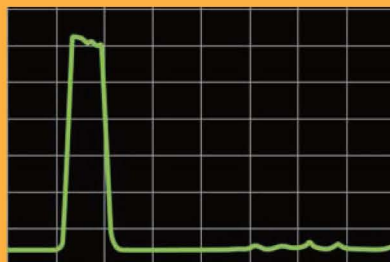
Auto Frequency Selecting

- High standard quality RF IC gives great performance on radio channel selecting.
- Best operating experience and free from interference by Real-Time frequency changing technology.
- No need to change channels when multiple radio controllers are operating at the same time.



Radio Frequency Filtering

- Using advanced SAW filter technology (Surface Acoustic Wave) to block unwanted radio signal to ensure the smooth radio link.
- High reliable performance in heavy industrial environments.
- Thanks to G300 Series receiver high sensitivity, the control distance has substantial increase even with internal antenna.



Reliable Communication

- Assuring frequency tolerance is less than 0.000001% before leaving factory site.
- Reliable radio communication in extreme harshworking environment (-30°C to +85°C).

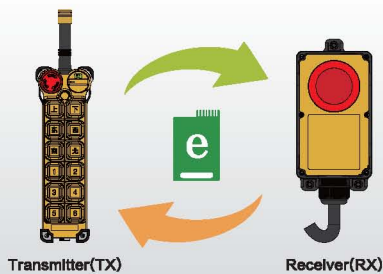


Fully Customizable Functions
Safe & Reliable Performance
Compact & Durable
Ingenious & Practical Applications

Wireless - the ONLY solution for controlling

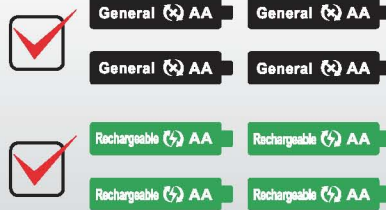
e-Card (Plug and Play)

- e-Card works similar to SIM in the mobile phone.
- All system data are carried on a small e-Card for easy transfer to a spare system when needed.
- e-Card is interchangeable between transmitter & receiver. It allows spare transmitter or receiver to resume to work without any downtime.



Budget & Environmentally Friendly

- Transmitter with extremely low battery power consumption.
- Using 4 AA size batteries. (Carbon Zinc, Alkaline, Ni-MH, Ni-Cd are all accepted)
- With adjustable operating range, it saves and extends battery life.



Powerful Customized Software

- A free software derived from millions of worldwide user's experiences.
- Total solution for industrial remote controllers (Available for most of applications).
- Capable of reprogramming numbers of parameters, such as operational function, emission power, and receiver off time, etc.
- PC USB interface cable is an optional item.



Security Enhanced & Anti-Spy

- The powerful processor, it generates SRC (Security Random Code) radio signal with random coding to prevent spy copying.
- By integrating hamming coding and CRC (Cyclic Redundancy Check) technology, it provides accuracy in radio data transmission.
- Hamming distance >20 (Surpassing the industry standard).
- The unique non-repeated security code (ID_code) prevents the error output and also improves the operation safety.








Enhanced Durability

- Using fiberglass reinforced plastic materials to enhance the hardness and impact resistance of transmitter casing.
- Fine quality pushbutton with most durable life than others.

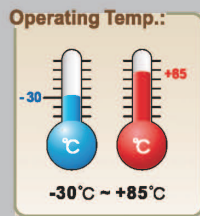
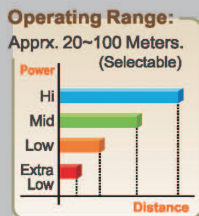
Take & Release (Receiver with multi-users)

- The receiver is available for multiple users' controls with different transmitters.
- Safety concept of first come and first served; restricting only one transmitter to command the receiver at a time.
- Interference-free from other users' radio interference after one taking control of the receiver.

General Specification

| | | | | | |
|--------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Transmitter |  |  |  |  | Receiver  |
| No. of Buttons | G300-6S: 6 Single Step G300-6D: 6 Double Step | G300-8S: 8 Single Step G300-8D: 8 Double Step | G300-10S: 10 Single Step G300-10D: 10 Double Step | G300-12S: 12 Single Step G300-12D: 12 Double Step | Dimension 234*116*130mm |
| Weight (without battery) | Apprx. 246 g | Apprx. 249 g | Apprx. 252 g | Apprx. 255 g | Weight Apprx. 1240g (without cable) |
| Dimension | 245 x 61 x 51 mm | | | | |
| Power | 4 AA Size Batteries (Carbon Zinc, Alkaline, Ni-MH, Ni-Cd) | | | | |
| Operating Distance | Adjustable | | | | |
| Operating Temp. | -30°C ~ +85°C | | | | |
| ID Code | 32 Bits with 4.3 Billion Sets (unrepeated) | | | | |
| Hamming Distance | >20 | | | | |
| | | | | | Power 24/42/230VAC 48/110/220VAC 36/220/380VAC 48/220/380VAC 110/220/380VAC Tolerance±20% 12~24VDC |

G300 SERIES INDUSTRIAL RADIO REMOTE CONTROL



ID Code:
4.3 Billion Sets
4 2 9 4 9 6 7 2 9 6
An unique Non-Repeated 32 Bit

