

# 15 MODELS

α 604A	(4) single speed pushbuttons
α 604B	(4) double speed pushbuttons
α 607A	(7) single speed pushbuttons
α 607B	(6) double speed pushbuttons + (1) single speed pushbuttons
α 607AT	(6) single speed pushbuttons + (1) SELECT I/II pushbutton*
α 607BT	(6) double speed pushbuttons + (1) SELECT I/II pushbutton*
α 608A	(8) single speed pushbuttons
α 608B	(6) double speed pushbuttons + (2) single speed pushbuttons
α 612A	(12) single speed pushbuttons
α 612B	(11) single speed pushbuttons + (1) SELECT I/II pushbutton*
α 612C-1	(6) double speed pushbuttons + (6) single speed pushbuttons
α 612C-2	(8) double speed pushbuttons + (4) single speed pushbuttons
α 612D	(10) double speed pushbuttons + (2) single speed pushbuttons
α 612E-1	(6) double speed pushbuttons + (5) single speed pushbuttons + (1) SELECT I/II pushbutton*
α 612E-2	(8) double speed pushbuttons + (3) single speed pushbuttons + (1) SELECT I/II pushbutton*

\* For crane systems with auxiliary hoist and trolley changeover function (5-8 motions)

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## Alpha 600 Series Industrial Radio Remote Control Systems



### SPECIFICATIONS

#### Transmitter Unit

Frequency Range	: 433 MHz
Transmitting Range	: 100 meters
Hamming Distance	: 6
Channel Spacing	: 25KHz
Frequency Control	: VTCXO (PLL)
Frequency Drift	: < 5ppm @ -10°C ~ +75°C
Frequency Deviation	: < 1ppm @ 25°C
Spurious Emission	: -50dB
Transmitting Power	: ~1mW
Emission	: F1D
Antenna Impedance	: 50 ohms
Enclosure Rating	: IP-66
Source Voltage	: 3.0V ("AA" alkaline batteries x 2)
Current Drain	: 10 ~ 18mA
Operating Temperature	: -10°C ~ +50°C
Transmitting power	: <20mA@3.5V
Operating time	: >consecutive 100hrs @batteries full (2050mA), band 433MHz, transmitting power 1mW
Dimension (604 Models)	: 140 x 68 x 30 mm
(607/608 Models)	: 189 x 68 x 30 mm
(612 Models)	: 235 x 68 x 30 mm
Weight (604 Models)	: 240g (include batteries)
(607/608 Models)	: 300g (include batteries)
(612 Models)	: 350g (include batteries)

#### Charger Unit

Dimension	: 120mm x 105mm x 105mm
Voltage	: 100~240V 50/60Hz
Power Consumption	: max 7 Watt
Operating Temperature	: 0°C ~ +40°C
Heat Ventilation	: temperature control fan
Charging Current	: about 600mA @3V
Charging Time	: about 4hrs @2050mA
Charging Detection	: -ΔV + temperature

#### Receiver Unit

Frequency Range	: 433MHz
Channel Spacing	: 25KHz
Hamming Distance	: 6
Frequency Control	: VTCXO (PLL)
Frequency Drift	: < 5ppm @ -10°C ~ +70°C
Frequency Deviation	: < 1ppm @ 25°C
Sensitivity	: <-120dBm
Antenna Impedance	: 50ohms
Data Decoder Reference	: Quartz Crystals
Responding Time	: 40ms (Standard)
Enclosure Rating	: IP-65 (Alpha 604-608 Models) IP-66 (Alpha 612 Models)
Source Voltage	: AC 24,48V,100V- 240V,380V- 460V @ 50/60 Hz, DC 12V- 24V
Power Consumption	: 11VA
Operating Temperature	: -10°C ~ +70°C
Output Contact Rating	: 250V @ 10A
Dimension Alpha 604-608	: 310 x 134 x 72 mm
Alpha 612	: 300 x 230 x 86 mm
Weight Alpha 604	: 1,625g (include output cable)
Alpha 607/608	: 2,000g (include output cable)
Alpha 612	: 3,400g (include output cable)

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# Alpha 600 Series

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## Visualized Software

This series allows you to set all radio functions using software and a dedicated programmer linked to your USB port.

POWER STOP



## Super Power Saving

The receiver is programmed to drop (open) the Main relay after several minutes of inactivity, this auto shutdown time is user-selectable. The intermittent data transmission is designed to save power so fully charged batteries can be used for over 120 consecutive hours.

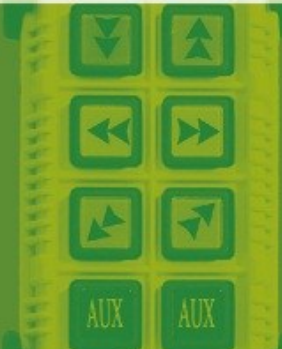
## Electromagnetic Induction Charge

The undisclosed metal and sensor type battery charger provides immediate charging simply by placing the transmitter into the charging slot. Opening the battery cover to change the batteries is not needed. This design improves the transmitters structural strength and waterproof integrity prolonging its operational life. Available charging source voltage: 100~240VAC.



## Adjustable PLL RF Module

Both the transmitter and receiver are equipped with PLL (Phase Lock Loop) synthesized RF module with 68 user-selectable RF channels (narrow band FM).



## Shock Absorbing Rubbers are available for transmitters

The transmitters shock absorbing rubbers, top and bottom, improve its ability to withstand ability and frequent dropping.

## Waterproof and Durable

The transmitter and receiver enclosures are constructed from high-grade composite materials that resist cracking and deformation from frequent drops and long-term exposure to heat, sunlight and harsh environments. The enclosures are fully sealed and impervious to dust, water, oil, acids, alkaline, heat and sunlight, which provide trouble-free operation for high moisture environments and outdoor applications.



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## Complete Auto-Test System

Multi auto-test functions are standard, including: receiver and transmitter low voltage test, warnings, auto shutdown, pushbutton breakdown test, main relay breakdown test...etc.

