INSTRUCTION MANUAL

CX610 / CX605

6 Channel Charger For Micro UAV

Features

- Simple operation, plug and play.
- Internal chip intelligent temperature test, to ensure the safety of charging.
- Six channels independent charging output, can charge six batteries simultaneously.
- DC 3.5mm jack / battery dedicated XT60 interface, /Micro, USB three input methods.
- Charging current setting range 0.1A~1A@CX610 / 0.1A~0.5A@CX605.
- LED digital tube shows input voltage, six channel battery voltage, input low voltage protection value and setting current value.
- USB 5V@2.4A/2.0A/1.0A Smart fast charging interface to support apple, Android mobile fast charge protocol.

Input Power Connection

1. The 3~6 cell lithium battery pack is powered by an interface for XT60.
    (Low voltage overload protection value is set automatically and user can adjust it manually)
2. Use the outer diameter of the DC interface 3.5mm power supply voltage range:9~26V.(Connect to AC adapter or car lighter 12V)
3. Use mobile charger Micro USB interface power supply voltage range:5V±5%.(Current range :0.5~2.4A)
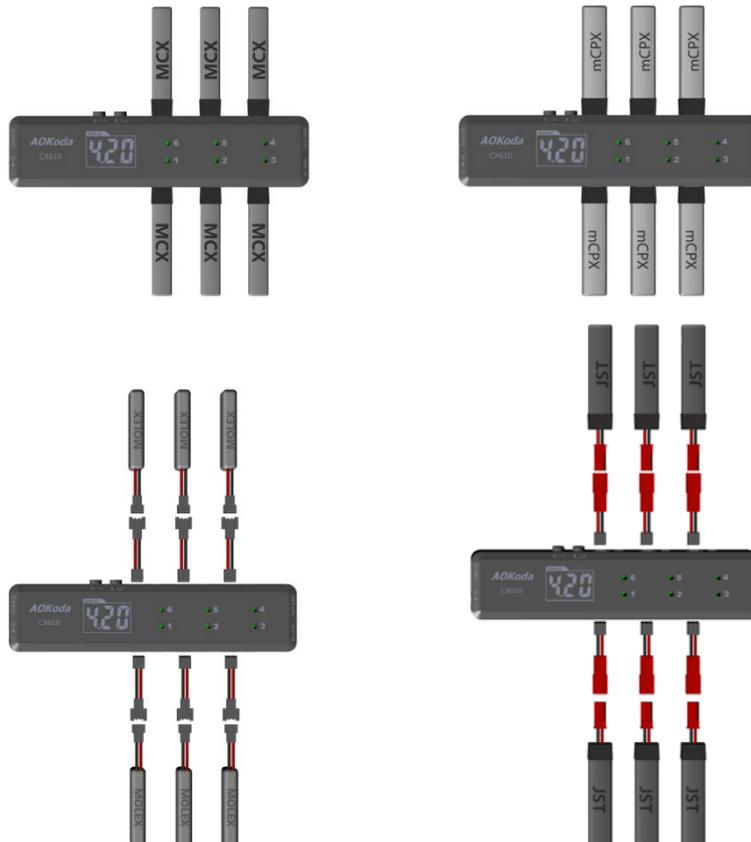
USB output connection

1. Connect mobile phones, tablet PCs and other devices to charge to the OUT USB port, the output voltage range:5V±5%.(Charging smart protocol identification function, automatically adjust the charging current range:0.5~2.4A)

Battery connection

1. MCX Connector size 1.25mm.
2. mCPX Connector size 2.0mm.
3. MOLEX Connector size 2.0mm.(Use the required adapter line mCPX to MOLEX)
4. JST Connector size 2.54mm.(Use the required adapter line mCPX to JST)

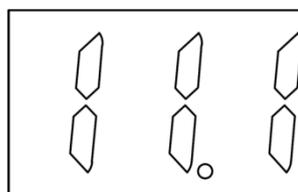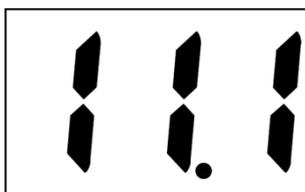# User parameter settings

1. Power input mode setting

   Long press voltage setting button V∕—,The digital tube flashes BAT or DC,Short press voltage setting button V∕—,You can switch between two modes of BAT and DC,Short press current setting button A∕↵ Confirm save the current flashing power mode.

   BAT:battery input mode,XT60 interface is connected to the battery,In this power mode,The charger will intelligently identify the number of batteries,Intelligent setting low voltage protection value,Prevent battery over discharge of XT60 interface.The low voltage protection value can also be manually adjusted under this mode. DC:Circular 3.5mm DC input mode,This mode allows voltage protection values to be set manually. When the car cigarette lighter is powered,The low voltage protection function prevents the automobile battery from discharging.
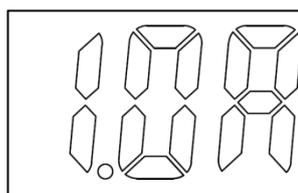
2. low voltage protection settings

   Short press voltage setting button V∕—,Digital tube will flash display low voltage protection value,Press the voltage setting button again V∕—,The low voltage protection value can be adjusted manually,Short press current setting button A∕↵ Confirm save the current flashing low voltage protection value.

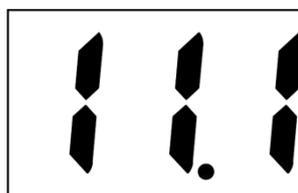3. Charging current setting

   Short press current setting button A∕↵,The digital tube flashes to indicate the charging current value,Short press voltage setting button V∕—,Adjustable charging current value,Short press current setting button A∕↵ Confirm save current flashing current value.

Display content description

1. "3cE" indicates that in battery mode,the charger intelligently determines the input battery to 3Cell,The voltage value is 11.1V.
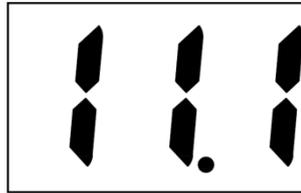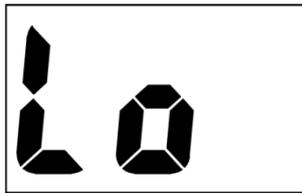

2. "No.1" indicates the first channel,No.2 stands for second channels....

3. "4.20" indicate the preceding directions the voltage value of the channel No.1 is 4.20V.

4. "Lo" means Low input Voltage protection,Set the low voltage protection voltage to 11.1V.

5. 1~6 charging port does not have battery access,The light corresponding to the 1~6 channel is green,Dynamic scanning battery access.When there is battery access,The staking scan will stop,But the background continues scanning all charging interfaces for battery access.
6. LED charging status indicator,Each of the 1~6 channels has its respective charging status indicator,Bright red indicates charging,Bright green means charging is complete.

Specifications

1. Round 3.5mm jack dc input range:9V-26V@24W
2. XT60 battery specific interface voltage input range:9V-26V @3~6S LiPo
3. Micro USB interface input voltage current range:5V@1A/2A/2.4A
4. In the DC input mode, the setting range of the over discharge voltage:9V~24V
5. XT60 battery interface, over voltage setting range : Smart settings and user manual tuning
6. Battery charging end voltage:4.20V±1%
7. Battery charging power:4Wx6ch@CX610 / 2Wx6ch@CX605
8. Battery charging current:(0.1-1.0A)x6ch@CX610 / (0.1-0.5A)x6ch@CX605
9. Support battery type:LiPo
10. Support battery section count:1Cell
11. Display mode:White LED digital display @CX610,Red LED digital display @CX605
12. Support battery connector: mCPX,MCX (MOLEX,JST@ You need to use transit lines)
13. USB output interface: 5V@2.4A/2.0A/1.0AIntelligent fast charging interface (DC or XT60 input)
14. Product size: 142x34x17.5mm
15. Product weight:60g