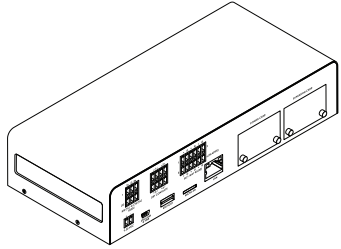


Quick Reference



Solo All-in-one Controller



www.commandfusion.com

Designed Globally
<http://cfdev.info>

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Specifications are subject to change without notice.

Printed on Recycled Paper.



Overview

The Solo is an IP-enabled all-in-one control system. On-board ports include:

- RS232 (with flow control)
- IR (with 1-way RS232)
- IR Blaster on front and sides
- Dry Contact Inputs
- Ethernet
- USB
- 2 x Expansion slots for plugin cards

Power

The device can be powered via the 2-pin connector (1x detachable screw terminal), or via the mini USB connector. Powering via the 2-pin power connector requires 9-30VDC (24VDC recommended).

Configuration

To configure the hardware, simply connect the Solo to your network and visit the web address printed on the sticker placed on the bottom of the unit. Then follow the instructions on the web page. Scan the QR Code for direct URL access.

Alternatively, visit the following web address, replacing the serial number with the actual serial number of your unit: <http://cf-SERIALNUMBER>

Default username and password: admin

Pinhole Buttons

- Setup - Used in combination with reset button to do a factory default reset.
- Reset - Press to reset the unit.

Ports

LAN

The RJ45 port is used for Ethernet communications.

RS232

The 6-pin connectors (2 x detachable 3-pin spring terminals) are used to communicate with RS232 devices. These 6 pins can be used for either:

- 1 x RS232 with flow control (RTS & CTS)
- 2x RS232 without flow control

Dry Contacts

The 8-pin connector (2 x detachable 4-pin spring terminals) are dry contact inputs. These can be used as button switch inputs, sensor inputs, etc.

Anything that closes a contact can be used as an input to trigger macros via the on-board rules engine.

IR

The 12-pin connector (2 x detachable 6-pin spring terminals) are wired IR emitter outputs and 1 way RS232 (transmit only). These can be used to send IR signals to control AV equipments, fans, air conditioning, etc.

IR Blaster

The Solo features a built-in IR blaster that emits a high powered IR signal from 3 sides of the device via the plastic windows.

There are 2 x emitters behind the window on each end, and 4 x emitters behind the front window.

Each pair of emitters is designed to emit both long range and wide angled signals.

MicroSD Card Slot

The device contains on-board memory, which can be extended by using a Micro SD memory card.

Do not insert a memory card unless you have reached the limit of on-board memory storage.

Mini USB

Can be used to power the Solo. Also used to communicate with a PC as a serial port using the open CFLink protocol.

USB Host

5VDC 500mA output. For future use.

Factory Reset

To erase all settings and return the unit to factory default settings do the following:

1. Press and hold both the SETUP and RESET buttons simultaneously for 1 second.
2. Release the RESET button, but continue holding the SETUP button until the power LED begins to flash quickly.
3. Release the SETUP button and the device will reboot with factory settings.

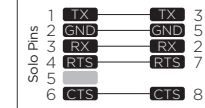
Pinout Diagrams

Power

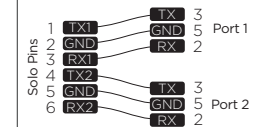


RS232 Modes

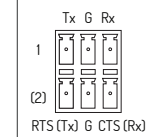
1 x RS232 (with flow control)



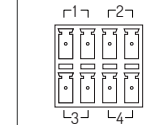
2 x RS232 (without flow control)



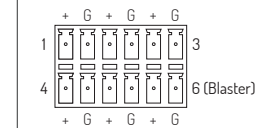
RS232



Dry Contacts



IR (1-Way RS232)



1-way RS232 wiring:
+ = RS232 Tx
G = RS232 Ground

Expansion Card Slots

The pinouts for each expansion card can be found in the card's respective quick reference sheet.

Visit the URL below for more information.

Further Information

For further information on getting started see:

<http://solo-qs.commandfusion.com>

Solo Features

