

Quick Start Guide CX500

Multifunction GSM Controller



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Introduction

Thanks for choosing CX500 ,the future of remote control is your hands`
This guide is intended to get you going quickly and doesn't go into the features of the device.
If you want more security or control features refer to the Other Manuals

CX500 – Complete Manual (Supplier)
CX500 – Simple Manual

GSM = **G**lobal **S**ystem for **M**obile Communication



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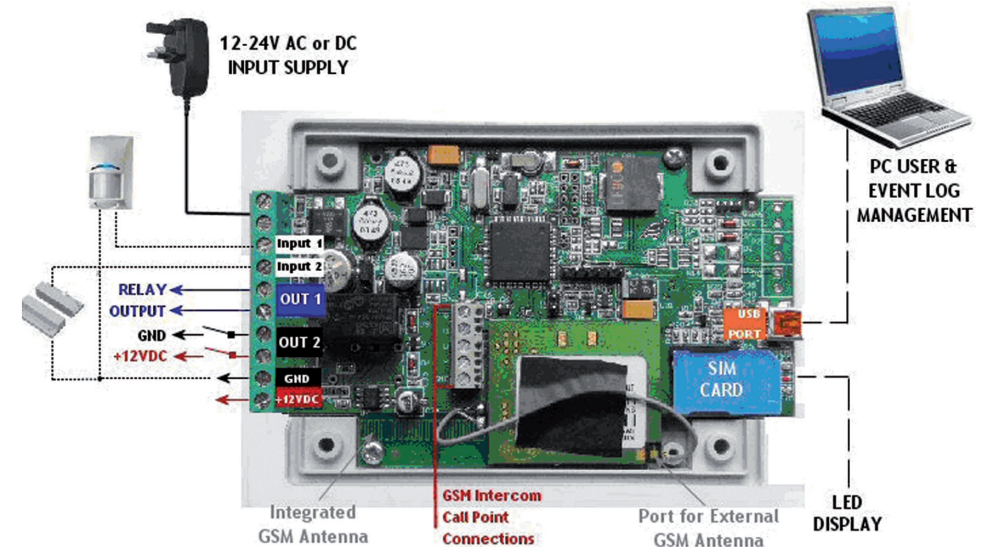
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1. Controller Overview

1.1 Connections Explained

- 12-24V AC or DC INPUT SUPPLY (minimum 500Ma): This powers the device
- Input 1: Link to GND & an SMS alert will be sent to Authorised User 1
- Input 2: Link to GND & an SMS alert will be sent to Authorised User 1
- Output 1 (relay): Voltage free open contact used to switch most devices
- Output 1 (relay): As Above-Both terminals are used to switch your device
- Output 2 (GND): Auxiliary output for switching low power devices
- Output 2 (+12V): Auxiliary output for switching low power devices
- *GND: Constant GND for Input Activation & powering GSM intercom call point
- +12VDC: Constant 12VDC for powering GSM intercom call point
- Call Point Connections: Audio terminals to the GSM intercom call point

- Port for External GSM Antenna: Connect an optional high strength antenna
- LED Display: See the start up, GSM signal strength & Network
- USB Port: This is an Installer programming port - End User Software available soon



2. Getting started quickly

Do you have everything?

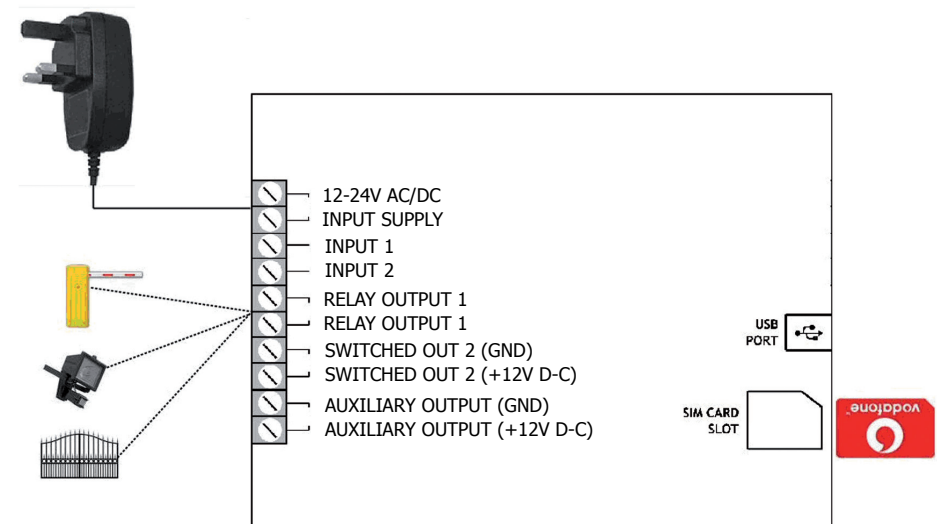
Firstly, check you have the correct parts & tools before you start

- 1 x CX500 GSM Controller
- 1 x Power supply (500Ma minimum)
- 1 x Activated SIM Card & associated phone number
- Half a metre of multi-core alarm / security cable (Maplins)
- Terminal Screwdriver & small wire stripper/cutter

2.2 Make the Minimum Connections

- Connect Output 1 (relay) & Output 1 (relay) terminals across the switch terminals which control your device
- Insert the SIM card as shown on the lid
- Connect the power supply; don't worry which wire is which, the input is protected.
- When LED's light up, you have it connected right

Overview:



2.3 Inserting the SIM card

Insert the SIM card gold contacts down with the cut off corner to the top RHS as shown on the lid diagram. If using an 02 UK PAYT SIM card, send this text message from any phone to the 02 SIM card first before sending any other: **;+SPO=10;**

2. Getting started quickly

2.4 Power Up & Check the LED Status Indicators

Switch on the power supply. The LED's flash in a particular way while starting up and then change when CX500 is ready for use.

Check that the LED's conform to the following table:

LED	STATUS (FLASHING)
BLUE (START UP)	SOLID
YELLOW (START UP)	FLASHES ONCE PER SECOND
RED (START UP)	FLASHES WHILE READING SIM CARD ONLY
BLUE (READY)	FLASHES TO INDICATE SIGNAL (1 LOW - 5 MAX.)
YELLOW (READY)	FLASHES ONCE PER 5 SECONDS
RED (READY)	OFF

2.5 Call the SIM card in GSW2 from any Phone to Test

Call the number of the SIM card in CX500. The device is set by default to switch Relay Output 1 & by any Caller. If you keep the SIM card number to be called within a closed User Group, you're finished! Start using CX500. To add more Security Features & Authorised Callers, check the other manuals here:

Note! If using an 02 UK PAYT SIM card, send this text message first, before any other: ;+SPO=10;

3. LED - Display

The LED's are to indicate what is happening on the device at any given time.

3.1 BLUE : GSM Network Signal Strength

(1 Flash = Low Signal / 5 Flashes = Maximum Signal)

If the Blue is on solid, the device is not connected to the network. You will find that red is also on or flashing on/off. This indicates something is not right with the network and could be antenna, or SIM card related.

3.2. YELLOW : GSM Network

(1 Flash/sec. = Registering & 1 Flash per 5 sec. = On Network)

The Yellow is only related to the Network initial registration & then re-reporting that the device is currently on the network. If the Yellow is not flashing once every 5 seconds, it is not on the GSM Network.

3.3 RED : Device / Connection / Network Fault

Red will flash during start up to indicate the processor is reading the SIM card. It will also flash if the device is erasing data when prompted. It should not be on at all during normal operation. If the Red is solid or flashing at any time other than the initial 30 - 60 seconds after power up while the device logs onto the network; you have a fault somewhere. Red indicates something is not right in general and could be to do with the network, antenna, SIM card, connections or hardware damage.

- Check carefully starting with your wiring connections.
- Then try the device in a different ,open air' location.
- Failing that try a different network SIM card.
- Visually inspect the hardware and look for any obvious damage or foreign objects on the PCB.

4. Troubleshooting

Check the status of the LED's first and check the LED descriptions to provide a general idea of what to look at first.

4.1 CX500 won't connect to the GSM network

- Move the CX500 to another location
- Try another SIM card or check the SIM card PIN code request is disabled
- Connect the optional external antenna
- Check supply voltage is sufficient

4.2 CX500 won't respond and blue LED is solid

- GSM Network Signal issue
- SIM card not inserted correctly
- Try different SIM card
- Check antenna connection
- Make sure antenna is not inside a metal enclosure

4.3 Red LED is solid

- Check connections and polarity on GSM controller & intercom interface PCB
- Check PCB components visually to locate obvious damage
- Check power supply input voltage is sufficient

4.4 Red LED is Flashing

- Fit external antenna
- Relocate controller
- Change Network SIM card

4.5 If your issue is not listed here

- Contact your Supplier for Support

Notes

[illegible]

Support by

Your supplier:

[illegible]**Distributor:**

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