



CYGNUS®

GSM BASED DEVICE CONTROLLER

USER MANUAL

Welcome

Welcome dear customer and congratulations on becoming a proud owner of Cygnus®, a product of Antarnetra Innovations Private Limited (AIPL). In the following sections we will introduce you this product and guide you on how to use it.

About the Product

Cygnus® is 2G/3G/4G GSM SIM based device controller that can control your electrical device from any part of the globe with just an SMS or a missed call.

It is useful for remote operation of Motors, Pumps, Advertising Display Boards or any electrical system used in Irrigation, Industrial, commercial or domestic establishment

Installation Steps

It is advised that you install the Cygnus® unit near the Starter if your device, such as pump or motor, is run using a starter. After un-boxing:

- Choose a location on the wall where you will be installing the Cygnus® unit.
- In the box, we have provided you a sticker, couple of plastic anchors and screws. Place the sticker at a desired location and height on the wall, drill the holes as marked on the sticker and mount the anchors and screws.
- Remove the Front Panel of the unit by unscrewing two top and two bottom screws.
- Insert the SIM card in the SIM holder. Use a GSM SIM from an operator who has strongest signal in your locality.
- Insert the GSM antenna provided in the box in the slot towards the left side of the unit and labeled as “ANT”. You are supposed to push the base of the antenna and rotate it clockwise in the slot till it stops moving further. The 4.5 inch long rod of the antenna can be folded from the base and can be adjusted to point upwards.
- Insert the Female connector of the hanging wire to the single Male pin labeled as “TP3”. This pin can be easily located towards the left side of the power jack.
- Place the front panel back to the unit and firmly tighten the screws.
- Now remove the rectangular metal strip that displays our website address, by unscrewing it.
- Follow the procedure for electrical connections as elaborated using diagrams, on the back side of the packaging box.
- Once the wiring is complete, tighten the rectangular metal strip back to the unit.
- Insert the pin of +12 VDC Adapter supplied with the unit, to the slot labeled as “+12 VDC” towards the right side of the unit and switch it on. Power supply to the adapter is supposed to be never switched off.
- This completes the installation process.

Registering your Mobile Number with the Cygnus® unit

To operate your electrical device through Cygnus® you need to send different SMS codes or give missed calls from your registered mobile number to the SIM you have placed inside the Cygnus® unit.

- To register you mobile number with the Cygnus® unit, send an SMS with following format:
REG<space><10-digit mobile number># *(Note: REG is in Capital Letters)*

E.g. if you mobile number is 9876543210 and the SIM no. is 8923217732, you will send an SMS to the number 8923217732 from your mobile number as, REG 9876543210#.

- If you ever need to change the registered mobile number, send following SMS to the Cygnus® SIM:

CHG<space><10-digit mobile number># *(Note: CHG is in Capital Letters)*

Operating your electrical device with SMS

You can send the following SMS from your Registered Mobile Number to the Cygnus® SIM. These codes are not case sensitive and hence you can type your SMS in all capital, all small or in mixed fashion.

- To switch ON your electrical device: **START**
- To switch OFF your electrical device: **STOP**
- To know the running status of your electrical device: **STATUS**
- To check the currently registered mobile number: **GET#**

Operating your electrical device with Missed Calls

Giving a missed call to Cygnus® is a quick and cheaper way to operate your device. A missed call from your Registered Mobile Number to the SIM inside the Cygnus® unit will switch ON your electrical device if it is OFF and will switch it OFF, if it is already ON.

SMS Notifications from Cygnus®

A reply SMS is sent from the Cygnus® unit, each time you send it an SMS code or give it a missed call. In addition to these interactive SMS, Cygnus® updates you if your device has unexpectedly stopped due to power failure or any other fault. It sends you an SMS when power is restored. It also sends you an update SMS when someone has accidentally switched off the Cygnus® unit.

Important

- Please use SIM that supports GSM. (Some operators have only 4G SIM and do not support GSM)
- Please use a SIM with strong network signal
- If you ever need to change the SIM inside Cygnus® unit, please disconnect the TP3 connector (mentioned previously), change the SIM and reconnect the TP3 connector.
- You may very occasionally receive SMS about system reboot. If your electrical devices had been running prior to getting such an SMS, you will be required to send the START command again. This happens due to sudden drop in network signal. If signal strength is good enough this is never likely to occur.

Registering your product and warranty

- Your Cygnus® unit comes with a warranty of 6-months from the date of purchase. Please contact your dealer or directly send us any proof of date of purchase to claim the warranty at contact@antarnetra.com
- It is highly desirable that you get your Cygnus® unit registered with us with following info: Name, Contact Number and/or email, Location, Cygnus® unit Serial Number, Cygnus® unit SIM phone number. Please contact your dealer or directly send us this info to register your product. Cygnus® unit SIM phone number is mandatory to receive automatic software updates to your Cygnus® unit.

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