

ALPHAGEN Device Controller Installation

Enclosed you will find

- 1 Rose Electronics Device Controller (Porter Code Activated Switch)
 - 1 Device Controller Power Supply
 - 1 DB25 Male to Male adapter on Port #1 [may be installed on Device Controller]
 - 1 DB25 Male to Female NULL extension cable
 - 1 DB25 Male to Male cable for attachment to a Modem. [Most common configuration]
- OR
- 1 DB25 Male to Female NULL extension cable for Direct Connection
(use in place of modem)

Device Controller installation:

Note: power to the Alphagen, Device controller, Weather and/or Modem units should be off for installation. For this upgrade, there may be an Alphagen CD to install. Install per instructions before proceeding. Also before connecting the Device Controller, complete the installation of the Weather system and Modem to your facility. Locate a permanent home for the Device Controller before final interconnection to the Alphagen. Locate the Modem in a permanent place, connected to a phone line.

If your order has specified a direct connection to another Alphagen, rather than modem communications, a second NULL cable has been included for Direct Connection to the other Alphagen system. Follow instructions, as if you were connecting a modem, using this second cable.

Connect the 6' NULL serial cable, labeled as "AG SERIAL" to the Alphagen Serial Port. Connect the opposite end, labeled "DEV CTL PORT 0", to the Device Controller port #0.

Connect the supplied Ultimeter Data logger cable to Port #1 of the Device Controller. Note: a DB25 Male-Male adapter is required.

Using the supplied DB 25 Male to Male straight through cable, interconnect the Modem to port #2 of the Device Controller. *Or if using Direct Connection use the supplied DB25 Male to Female NULL extension cable.*

Plug in the Device Controller. Locate the power switch on the rear of the unit, near the power input. Turn it on.

Plug in the Ultimeter Weather system. The Weather display 'keyboard' should begin functioning. Plug in the Modem (*or other Alphagen System*). Apply power to the modem (*or other Alphagen System*).

Update: The Device Controller option requires Alphagen software release 4.08 or later for best operation. Call if your Alphagen system needs this upgrade.

Apply power to the main Alphagen system. Upon boot-up, the Device Controller should be auto detected. This will be noted by a blinking data light on the Device Controller's display after the Alphagen Color Bars appear. This indicates proper connection to the main Alphagen.

Once the Alphagen is past the Color Bars and running its default project, press ESC on the system to enter Edit mode.

Use the Shift-F10 menu called Serial Port Mode.

The menu will ask which port you want to set. Type in the number 1. Press Enter.

With the arrows, highlight Weather. Press Enter. The Please Wait message will be followed by the same menu. Note that the menu should say Port is VALID. At this time, press ESC, to bring us back to the Menu asking which port to set.

Now, enter the number 2 as the port to set. Using the arrows, highlight Remote Access. Press Enter. After the Please Wait message, you should see that the menu has changed. Inside the menu area, you should see Port is Valid (modem), and not: Port is Valid (direct). When the word modem is displayed, the Alphagen system has successfully communicated through the Device Controller and to the Modem.

Repeat the steps above and make sure that Ports 3 and 4 are set to Weather, the default option for ports that are unused. This step is important if you are having trouble getting the modem to communicate or weather data is not showing up on the display.

The Alphagen system is now properly configured and is ready for operation of both Remote Access (modem communications) and Weather display.

With the Alphagen working properly with the Device Controller and Modem, you should notice that the LED on port 1 should be active almost all the time. This indicated that weather data is coming in from the Weather system. This is normal operation. Data will only appear on Port 2 when there is modem activity.

Place the Alphagen in RUN mode by using the menu items after pressing the F10 key.

Alphagen is ready to receive modem transfers and receive weather data.

Refer to the manual section on F8 in Chapter 4.

Also see section Shift F9 in Chapter 4 for File Transfer of projects from one location to another, via modem communications.