

NT500™ Demonstration Cases

User Guide

NT500 Server Demonstration Case



The **NT500 Server Demonstration Case** contains:

- An AC 500 Alarm and Access Server.
- An AC 512 Access Controller.
- An in reader.
- Buttons to demonstrate Request to Exit (RTE), Door Contact (DC), Auxiliary Input (AUX), AC 500 Tamper, AC 500 Override.
- A Reader switch to enable the reader to be used as an administration reader when set to PC.
- Connections are provided for a NT500 I/O demonstration case, a SIG 'B' reader on channel 1, SIG 'A' and SIG 'B' readers on channel 2, a PC, and desktop reader. The use of the connections is optional and require the correct type of connector.

Miscellaneous items:

- A 12V power supply
- A power cable
- An Ethernet cross-over cable
- A PC 9-pin serial cable
- 5 tokens
- 5 cards

Packing the Case

The buttons' edge of the units should be placed at the rear edge of the case as shown. The power supply should be placed alongside the server box in the body of the case and all the cables in the outside compartment. This will ensure that the power supply and miscellaneous items do not damage the plastic covers.

NT500 I/O Demonstration Case



The **NT500 I/O Demonstration Case** contains:

- An AC 520 Input Controller.
- An AC 530 Output Controller.
- A strobe.
- Input/Output switches.
- A Server Case connection

Miscellaneous item:

An I/O-to-server case cable is provided to connect to the NT500 server demonstration case.

Packing the Case

The buttons' edge of the units should be placed at the rear edge of the case as shown. The cable should be placed in the outside compartment.

Initial Software Configuration

Notes

The example IP addresses ensure that the PC and server are on the same subnet.

Further information on using the NT500 facilities are given in the help file.

1. Set the PC to a fixed IP address (e.g. 192.176.2.1) using the **Windows Network Connections** facility.
2. Install NT500 if not already installed.
3. Connect the AC 500 to the PC using the supplied Ethernet cross-over cable.
4. Power up the AC 500 with the One-Touch™ button held down. Release the button when the Power Status LED lights up.
5. Wait a couple of minutes (so the AC 500 can go through its DHCP process if it hasn't already got a static IP address).
6. Run the **AC 500 IP Address Configure Utility** and ensure the PC and AC 500 IP addresses are on the same subnet (e.g. 192.166.2.n).
7. If nothing appears, wait a minute (see Step 5).
8. Select **File > Refresh** on the **AC 500 IP Configuration Utility** window and the AC 500 should be listed with the **Locked** field set to *False*. If **Locked** is set to *True* then repeat from Step 4 to unlock it.
9. Double-click the AC 500 and set the IP address (e.g.192.176.2.2), Subnet Mask (e.g. 255.255.255.0) and Gateway (e.g.192.176.2.1). The Gateway address is the same as the PC Static IP address when using a cross-over cable.
10. Close the **AC 500 IP Address Configure Utility**.

The system is now ready for use using an empty database or a pre-specified database.

Using an Empty Database

1. Login to NT500.
2. Select the **Hardware** module and create a new AC 500.
3. Select the **Probe** button on the **Hardware Details** tab and it should find the AC 500 with address IP address allocated.
4. Enter a name for the AC 500 and select the **Add** button.
5. You should see the AC 500 with the red **No Entry** indicator.
6. Wait at least 10 seconds.
7. Select the **Refresh** icon and the **No Entry** indicator should change to **Yellow triangle**. If not, repeat from Step 6.
8. Once the **Yellow triangle** appears, press the **Probe** icon in the toolbar. The AC 512 controller should be found and also the AC 520 and AC 530 if the I/O unit is attached to the server case.
9. Right click each controller and select **Configure controller** and enter the configuration data for each controller.
10. Right click the AC 500 and select **Download channel database**.
11. The **Yellow triangles** should disappear, the controllers should be loaded and everything should be working.

Using a Pre-Specified Database

1. Restore the database.
2. Login to NT500.
3. Select the **Hardware** module and perform a password reset on the AC 500 and NT500.
4. Wait at least 10 seconds.
5. Select the **Refresh** icon and the **No Entry** indicator should change to **Yellow triangle**. If not, repeat from Step 4.

6. Select the **Probe** icon in the toolbar. The AC 512 controller should be found and also the AC 520 and AC 530 if the I/O unit is attached to the server case.
7. Right click each controller and select **Configure controller** and enter the configuration data for each controller.
8. Right click the AC 500 and select **Download channel database**.
9. The **Yellow triangles** should disappear, the controllers should be loaded and everything should be working.

Subsequent Software Configuration

If the server case is only used by one person, this configuration is only required for this initial setup. For subsequent software configuration, just set the IP address of the PC back to its static setting and connect to the AC 500.

If NT500 has been re-installed or another database restored, then perform the steps in the **Using a Pre-Specified Database** section.

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