**Quickstart guide**

The demonstration case contains the hardware required to show all the functions of an operating Net2 system.

Reader 1 is a KP unit that can be used to demonstrate proximity and keypad functions or a combination of both (e.g. Card + PIN).

Plug the mains cable into the connection as shown on the diagram. Power on the unit by means of the switch and the power LED should illuminate. The ACU should display 5v, 12v and a flashing OK LED.

Connect your PC to the LAN port via a crossover cable (supplied) and then set up the ethernet connection as per the instructions on page 2.

**Documentation**

A full range of application notes and tutorials are available to guide you through the set-up and operation of the Net2 system. - Just click on the Documentation icon on the Net2 welcome screen for the complete list.

**Layout**

The demonstration case contains the hardware required to show all the functions of an operating Net2 system.

Reader 1 is a KP unit that can be used to demonstrate proximity and keypad functions or a combination of both (e.g. Card + PIN).

Plug the mains cable into the connection as shown on the diagram. Power on the unit by means of the switch and the power LED should illuminate. The ACU should display 5v, 12v and a flashing OK LED.

Connect your PC to the LAN port via a crossover cable (supplied) and then set up the ethernet connection as per the instructions on page 2.

**Documentation**

A full range of application notes and tutorials are available to guide you through the set-up and operation of the Net2 system. - Just click on the Documentation icon on the Net2 welcome screen for the complete list.
Connecting to a TCP/IP interface

Install the Net2 software on the PC. Connect the unit to the PC via a Network cable.

To configure the unit, go into the Net2 Server Configuration Utility (Start/Programs/Net2) and select TCP/IP nodes.

Click on "Detect" the MAC address of the Ethernet interface will appear in the table. You should then go to the "IP address configuration" tab and assign the IP address.

You can set up a new IP for the interface but if this is not in the same range as the PC, the device will no longer respond until you connect to the device with a PC that is in the same IP range.

NOTE: Some firewall/virus software or other wireless hardware can block the IP detection process. Disable these and try to detect the interface again. Please contact Technical Support if you require further advice.

*The MAC address can be found on a label in the case and starts 00-xx-xx-xx*
Software configuration

- Run the Net2 software.
- Check that the ACU has been detected by looking in the Doors screen. The firmware in the ACU's will be automatically updated to the same revision as the PC. Do not make any changes to the software during this phase.
- Once this has finished, each ACU must be configured (as below)

**Door name**: Name the ACU.
**Door open time**: Set the door open time.
**Unlock the Door during**: Permanently unlocks the door while this time zone is active. Should be set to 'At No Time’ for normal user operation.

**Reader 1**: Settings for Reader 1 and Keypad 1 on the ACU.
**Reader 2**: Settings for Reader 2 and Keypad 2 on the ACU.
**Alarm**: Contains settings for the different types of alarm.
**Codes**: Valid codes can be viewed, added and removed. (Can only be viewed when a keypad is active).
**Events**: Shows the events for the control unit selected.

**Name**: Each reader can be named individually if required.
**Reader type**: Set the reader type, if applicable.
**Keypad type**: Set the keypad type, if applicable.
**Token data format**: Select the type of cards being used on the system. (New formats can be created).

**Reader operating mode**: Set the operating mode.
**Timed operating modes**: A different operating mode can be configured within a time window.

**Reader action**: Set the action required when access is granted.
<table>
<thead>
<tr>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Software</strong></td>
</tr>
<tr>
<td>Number of Cards</td>
</tr>
<tr>
<td>Number of PINS</td>
</tr>
<tr>
<td>Access Levels</td>
</tr>
<tr>
<td>Time Zones</td>
</tr>
<tr>
<td>Individual time periods per zone</td>
</tr>
<tr>
<td>Maximum door open time</td>
</tr>
<tr>
<td>Number of Codes</td>
</tr>
<tr>
<td><strong>Hardware</strong></td>
</tr>
<tr>
<td>Doors per ACU</td>
</tr>
<tr>
<td>Reader ports per ACU</td>
</tr>
<tr>
<td>Readers per port</td>
</tr>
<tr>
<td>Keypads per port</td>
</tr>
<tr>
<td>ACU per dataline</td>
</tr>
<tr>
<td>Datalines per PC</td>
</tr>
<tr>
<td>Data retention after total power loss</td>
</tr>
<tr>
<td>Events stored in ACU with no server connection</td>
</tr>
<tr>
<td><strong>PC installation</strong></td>
</tr>
<tr>
<td>Minimum Requirements</td>
</tr>
</tbody>
</table>

**FCC Compliance**

Class B digital devices.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

Class A digital devices.
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.