INSTRUCTIONS FOR 1830-185 TCP/IP MANUAL MODE to RS-232 CONVERTER KIT

Connection via INTERNET

System requires turning on Port Forwarding in default gateway (Router).
System requires either a Static IP address or a DDNS Host service programmed into the Router or Plug & Play 1830-186 (see general Information section).
System requires Firewalls to allow communication from programming PC outside the network.
These task will require work to be performed by IT personnel responsible for the network. DoorKing technicians cannot perform this work.

General Information

Use these instructions when using the TCP/IP adapter, part number 1830-185. This device is a manual setup (no subscription required). For Plug and Play setup (no manual setup required) use TCP/IP adapter part number 1830-186 (DKS Data over IP or DKS VoIP Voice + Data subscription service required).

You can use the 1830-185 Converter Kit with the following DKS Systems:

Refer to these instruction manuals for additional information:
P/N 1838-065 Access Controller Installation Manual
P/N 1835-066 Remote Account Manager Software User Manual

Network selected in Remote Account Manager Software.

Connection to 1830 Series Circuit Board RS-232 Terminals

Note: RS-232 wire runs are limited to 500 feet maximum. If greater distance is needed, use RS322 to RS422 Extender Kit, P/N 1830-190 (4000 Feet maximum distance).

<table>
<thead>
<tr>
<th>BOARD TERMINALS</th>
<th>DB - 9 PINS</th>
<th>DB - 25 PINS</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 3 2</td>
<td>Transmit Data</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 2 3</td>
<td>Receive Data</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 7 4</td>
<td>Request to Send</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 8 6</td>
<td>Clear to Send</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 5 7</td>
<td>Signal Ground - Shell</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Not Used</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

RS-232 cable P/N 1818-040 (6 Ft. Cable)
RS232 wire runs limited to 500 Ft. Maximum. See note above.

Connection via LAN

System requires turning on Port Forwarding in default gateway (Router).
System requires either a Static IP address or a DDNS Host service programmed into the Router or Plug & Play 1830-186 (see general Information section).
System requires Firewalls to allow communication from programming PC outside the network.
These task will require work to be performed by IT personnel responsible for the network. DoorKing technicians cannot perform this work.

Network selected in Remote Account Manager Software.

Ethernet wire runs limited to 330 Ft. Maximum.
Use these programming instructions only if the factory defaults in the converter need to be changed

A. Windows (Computer) Settings
The following defaults in the CONVERTER are factory set. If they are satisfactory to your system, there is no need to change them.
- IP Address: 192.168.1.40
- Gateway: 192.168.1.1
- Port: 23
- Baud: 19200

If these defaults are not satisfactory, navigate to Local Area Connections in Windows. (Start – Control Panel – Network Connections – Properties)

Highlight Internet Protocol (TCP/IP)

Then click Properties to show the Internet Protocol (TCP/IP) Properties Window.

Before proceeding, write down the numbers (or take a screen print) in this window. You are only going to change the IP Address and you will need to put the same IP Address number back when programming of the CONVERTER is complete.

Ex: write down the numbers:
Local IP Address: 10.43.76.171
Subnet mask: 255.255.255.0
Default gateway: 10.43.76.211
Preferred DNS server: 10.43.76.198
Alternate DNS server: 10.43.76.158

B. Connect 1830-185 for Programming

1. Unplug the network cable from your PC.
2. Using the network cable supplied with the 1830-185 kit, plug one end into your PC and the other into the CONVERTER.
3. Power the CONVERTER with the supplied power supply.
4. When completed, don’t forget to plug the network cable back into the PC and the 1830-185 cable back into the router.

C. Accessing the 1830-185 Menus

1. Open any browser and type in the address of the CONVERTER: http://192.168.1.40

The user Login window for the CONVERTER will appear.

D. Changing 1830-185 Settings

Port 0 Settings

Conversions cannot be changed using the form below.

The parameter window will appear.

Parameter

Before you are finished configuring the CONVERTER, you must set the Internet Protocol (TCP/IP) Properties screen on your PC back to its original settings in order to get access back to your network.

Follow the instructions to get to the Internet Protocol (TCP/IP) Properties screen and then put your old settings back.

Don’t forget to plug the network cable back into the PC and the CONVERTER cable back into the router.