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

**Network selected in Remote Account Manager Software.**

**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:* 1830 Series Telephone Entry and Access Control Systems (1833, 1834, 1835, 1837, 1838).

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

**Connect Converter to 1830 Series Circuit Board RS-232 Terminals**

*Note: RS-232 wire runs are limited to 100 feet maximum. If greater distance is needed, use RS322 to RS422 Extender Kit, P/N 1833-190 (4000 Feet maximum distance).*

**Connect Converter to 1830 Series Circuit Board RS-232 Terminals**

**Connection via INTERNET**

**Connection via LAN**

**Network selected in Remote Account Manager Software.**

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**Connection via INTERNET**

**System IP Address**

**Connection Option**

**Model Number**

**Area Codes**

**Connect Converter to 1830 Series Circuit Board RS-232 Terminals**

**Connection via LAN**

**System IP Address**

**Connection Option**

**Model Number**

**Area Codes**

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**Note:**

- RS-232 wire terminal on telephone entry / access control system circuit board.
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: 1040
- 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: (these numbers will not be the same in your computer)
- IP Address: 10.43.76.171
- Subnet mask: 255.255.255.0
- Default gateway: 10.43.76.211

You can get IP settings automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

You can access settings of the CONVERTER by using the menu at the left in the Status and Configuration screen. Only selections 1, 2 and 6 apply to this module.

It is highly recommended that you DO NOT change the password on the authentication screen. DoorKing will not be able to assist you if you don’t know your ID or password. This system status window is informational and there’s no need to change anything here.

**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 Log In window for the CONVERTER will appear.

- Please log in:
  - User name: admin
  - Pass words: admin

The Status and Configuration window will appear.

You can access settings of the CONVERTER by using the menu at the left in the Status and Configuration screen. Only selections 1, 2 and 6 apply to this module.

It is highly recommended that you DO NOT change the password on the authentication screen. DoorKing will not be able to assist you if you don’t know your ID or password. This system status window is informational and there’s no need to change anything here.

**D** Changing 1830-185 Settings

To prevent settings being lost, it may be changed using the form below.

**Notes:**
- IP settings can only be set at 1830 or 1850. These are the only two speeds that 1830 Series boards will run at. Leave all other settings as shown when the converter is used in the wide area network protocol that provides communication across diverse interconnected networks.
- Change IP Address to:
  - 192.168.1.1
  - This will allow your PC to connect to the CONVERTER so that you can change its settings.

**IMPORTANT:** When you are finished configuring the CONVERTER, you must set the IP Address back to the 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.