connecting your Kestrelaxxx Series to a Windows PC

Setting Up Kestrel



Make sure you have a Bluetooth Device. Press
Ito enter the Main Menu. Scroll down to Bluetooth. to enter Bluetooth Menu. Press If Bluetooth is Off, press **b** to toggle to On. Press (T) to highlight Range. Press 🕑 to toggle Range to Hi. Press () to highlight Info and then pr

Setting Up Kestrel



Please ensure that all four fields are filled in similar to the picture shown.

If a field is empty or shows "****", please contact NK.

Take note of the 4 digit PIN number on your unit.

Place Kestrel near the Computer.

Log into your PC for the next step.

Add a Bluetooth Device



Right Click on the Bluetooth Manager Icon and select Add New Connection.

Add a Bluetooth Device

Add New Connection Wizard

This wizard will create the settings for Bluetooth device connection.



Please ensure your Bluetooth devices are on and set to discoverable. In order to certify Bluetooth, there are times when the security

setting is modified temporarily. When setup ends, it returns to the original setting automatically.

Express Mode (Recommended)

Next >

Custom Mode

< Back

This allows you to set the details for the connection.

Cancel

Help

Choose Express Mode to begin scanning for the Kestrel Device.

| Add New Connection Wizar | d | X |
|--------------------------|----------------------------------|-----|
| Searching for Bluetoot | h devices. | |
| | Searching for Bluetooth devices. | |
| | < Back Next > Cancel H | elp |

Pairing a Bluetooth Device

Refresh

Help

Add New Connection Wizard

Select a device



Please choose the Bluetooth device you wish to use.

Bluetooth device

< Back

Device Name

K4500-677561

🔜 Nielsen Kellerman's iMac (2)

Next >

Cancel

Once the Kestrel Device is found, select it and hit Next.

It is possible that the address from the Info screen will be shown instead of the serial number (as seen on the left).

Example - 00:06:66:60:03:39

Pairing a Bluetooth Device

| Add New Connection Wizard | X |
|---------------------------|---|
| COM port setting | |
| | Setup of COM40 emplete. Setup application software and driver if needed. |
| | < Back Next > Cancel Help |
| | |

Be sure to take note of the COM port number that the unit connected through.

This is necessary for connecting with the application you are using later on.

In this example, I am connecting through COM40.

Entering Your Pin

| B | luetoo | th Settings | | | | |
|------|--------|----------------------------|---|-------------|---|--|
| Blue | tooth | View Help | _ | | | |
| | | 777 | _ | | | |
| | 6 | Connect | | | | |
| | K4500 | Disconnect | | | | |
| | | Delete | | | | |
| | | Detail | | | | |
| | | Create Shortcut on Desktop | | | | |
| | | Rename | | | | |
| | | Change Icon | | | | |
| | | | ſ | Bluetooth N | 1anager - Bluetooth | n Secu |
| | | | | Â | Bluetooth Pass (If left b Request Dev Bluetooth D Bluetooth D | skey (blank, vice Device Device |
| | | | | | ☑ Share aut | nentica |

If you were not prompted for a PIN on the last step, right click on the connection in the Bluetooth Manager program and select Connect.

Enter the 4 digit PIN found on the Kestrel

| | Bluetooth Passkey (PIN): | ~ | _ |
|---|-----------------------------|-----------------------|---|
| 9 | (If left blank, the default | PIN will be used.) | |
| | Request Device | | |
| | Bluetooth Device Address: | 00:06:66:60:03:39 | |
| | Bluetooth Device Name: | K4500-677561 | |
| | Share authentication inform | ation among all users | |
| | | OK Cancel | |

Communicating with Application

| Kestrel® Tracker - Co | mmunicator | | | |
|--|-------------------------------|--------------------|----------------------------------|-------------|
| Kestrel Tracker Real-time | Data Log Help About | | | |
| Manage data log: | | Device properties: | Device control: | |
| COM Port: COM3 - | Load from Kestrel® Tracker | Read Device Data | Set Date/Time from PC | |
| COM3 COM25 COM26 COM27 COM28 COM29 COM29 | Save to file | ÷ | Clear Data Log | LEARD INIT |
| COM31 FCOM32 COM33 COM38 | | | Restore Units Defaults | 000 |
| | 1 | × | Restore Default Pressure Cal. | Actanticate |

Now that you have successfully paired the Kestrel, open the application that you would like to communicate with. In this case we are using Kestrel Communicator.

Locate the COM port drop down menu and select the appropriate number that was retained from before. In this case, it was COM40.

Troubleshooting COM#

| | Connect | Details of K4500-677561 | |
|-----------|----------------------------|---|------------------|
| K4500-677 | Disconnect | Information | |
| | Delete | Device Name: K4500-677561 | |
| | | Device Address: 00:06:66:60:03:39 | |
| | Detail | Device Class: Uncategorized devices | |
| | Create Shortcut on Desktop | Service Class: Serial Port | |
| | Rename | Service Name: Kestrel 4500B | |
| | Change Icon | Provider Name: None | |
| L L | Change Icon | Tonder Heine. | |
| | | | |
| | | | |
| | | Setting | |
| | | Port Name: COM40 | |
| | | Auto Connect: On | |
| | | | |
| | | | |
| | | | |
| | | Options | |
| | | Start application after establishing connection | |
| | | Application path: | |
| | | Browse | |
| | | | |
| | | | |
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| 🐘 Ne | w | | 🕒 Detail 🔀 Delet |
| Co | nnection | | |
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| | | | |

If you do not know which COM Port you are connected to, go to the Bluetooth Manager program again.

Right click on your connection and select Detail.

The COM port number should be shown.

Other Troubleshooting Tips

For connection issues

- You do not have a Bluetooth unit. You will need to purchase PC Interface cradle in this case in order to connect.
- The Kestrel is not turned on. Please turn on before connecting.
- The COM port # does not match.
- The computer is assigning COM1 (or an invalid COM port) to the connection. This
 may be a "physical" COM port (not virtual). Try changing your COM port number
 manually. <u>Here</u> is one example of how to do that.
- You are not using the latest version of Kestrel Communicator. Please go to <u>www.nkhome.com</u> to download the latest version.
- Your PC Bluetooth module is Bluetooth Low Energy (BLE). BLE modules are not compatible with the Kestrel. Please see our site for purchasing a compatible external Bluetooth dongle.
- You have two programs opened at once using the same COM port. Try closing one and trying again (i.e., Kestrel Communicator and Gun Loader software).