

Installing the BAS-o-matic with the U+4 option

DO NOT PLUG IN THE U+4 DEVICE UNTIL THE BAS-O-Matic SOFTWARE IS INSTALLED.

Once the BAS-o-matic.exe is double-clicked, please follow the wizard. The steps in the installation are as follows

1) Destination folder - choose the destination that you would like the BAS-o-matic to be installed in or you could choose the default option (recommended)

2) Select Features - The BAS-o-matic software offers a variety of decoders. The default options are BACnet/Ethernet and BACnet/IP. The optional ones are BACnet MS/TP, Modbus RTU and ModbusTCP. Choose these only if you have purchased this option. If not, this could also be chosen to view these protocols in a demo mode. If you would not like them in a demo mode, uncheck them.

Licensing - The choices are USB and Parallel. Please choose the option based on the type of key you ordered. (The key could either be a USB or a Parallel).

Fieldbus Interface - These should be checked only if you are installing a decoder for either BACnet MS/TP or for Modbus RTU. If you are installing any of these, please check the appropriate option and the wizard will install the necessary drivers.

When installing the MS/TP option, occasionally a message indicating, "This driver is not digitally signed" will pop up. Please accept and indicate that you would like to continue with the installation. Once the message is accepted, installation will be complete.

You can plug in the U+4 hardware now

Once the U+4 (or any Fieldbus interface box) is plugged into the PC in the USB slot, this will add an extra **Local Area Connection** in your Network Places.

This is for the U+4 box. In order to configure settings, you would need to select this Local Area Connection.

Once you are in the Local Area Connection, RT Click | Properties | Configure | Advanced, you will see all the options given below. Please configure according to your use.

Card Speed:

Select needed Baud rate (in the range from 1200 to 115200 bps) from the list

Filter:

Select what kind and format of packets you want receive:

- "All" - to receive all packets (including all types of MS/TP frames and error notifications)

- "All BACnet data" - to receive all MS/TP frames transporting BACnet NPDU.

- "Directed BACnet data" - to receive MS/TP frames with BACnet NPDU, destined only to our Node Address and Broadcasts.

- "Directed BACnet NPDU only" - to receive only directed or Broadcast NPDU. (accepted by any BACstac version). MS/TP information is absent.

Node Address:

Set address of this node in the range [0-254]. IMPORTANT Note: Master node must be in the range [0-Max_master]

Higher address can be set for monitor mode only (to track some slave node activity).

Node Type:

Select "Monitor" if using with the BAS-o-Matic "Master Node" if using with the BACnet Explorer.

Master Mode takes part in token passing and is needed for the BACstac. You would select the Master mode only if you are using the Fieldbus interface as a BACnet client. In this mode, you would be able to completely discover the MS/TP network by using a BACnet client.

The "Monitor" mode can be used for Bas-o-matic only. This mode would be used if you are using the fieldbus interface purely for sniffing purposes only.

Max_info_frames[1-10]:

Max number of frames the node may sent before it must pass the token.

Max_master[1-127]:

Highest allowable address for master nodes.