

Manual

**IVS-Basic 4.4**

**IVS-Professional 4.4**

**IVS-PowerPoint 1.1**

Supplement connecting 19" Base Station through TCP/IP



# Contents

Contents .....	3
<b>Connecting the RF-II Base Station to the network.....</b>	<b>4</b>
Connecting the RF-II Base Station .....	4
Installing the communication plug-in .....	5
Changing the installed software .....	5
Installing the software .....	6
A custom setup .....	7
Determining the IP-address of the RF-II Base Station.....	8
Linking the RF-II Base Station to a COM port .....	9
Initializing the RF-II Base Station .....	10

# Connecting the RF-II Base Station to the network

The 19" version of the RF-II Base Station is equipped with both a USB connection and a network connection. With these connections you can either connect the RF-II Base Station to one of the USB ports of your computer, or you can connect it to a network. Make sure that you are not using both connections at the same time. When the RF-II Base Station is connected using the USB connection, the network connection will not function properly.

This document describes how the RF-II Base Station has to be connected to the network and how the IVS software needs to be set up to make use of the RF-II Base Station over the network.

To connect the RF-II Base Station using the USB connection, please refer to the 'Supplement connecting USB RF-II Base Station' document.

## Connecting the RF-II Base Station

The front panel of the RF-II Base Station has an RJ-45 connection, with which you can connect the RF-II Base Station to the network. To connect the RF-II Base Station directly to your computer you have to use a crosslink cable.

Once the RF-II Base Station is connected to the network, it will start looking for a DHCP server. If it can find one, the RF-II Base Station will be assigned an IP-address from the DHCP server. For more information please contact your network administrator.

If a DHCP server cannot be found, the RF-II Base Station will automatically assign itself an Auto-IP address. This IP-address will always be in the range 169.254.0.1 to 169.254.255.1. The RF-II Base Station will make sure that the Auto-IP address is unique in the network, so that there will be no conflicts. Make sure that your computer also gets an Auto-IP address. If your computer uses a fixed IP-address, it will not be able to find the RF-II Base Station. That's why you have to set up your computer to automatically obtain an IP-address.

**Note:** Only start your computer after having connected the network cable. If your computer was already started, or if you needed to change the network settings to automatically obtain an IP-address, please restart it.

If your computer didn't detect a network cable during start-up, it won't get assigned an IP-address. You will be able to detect the Base Station, but you won't be able to connect to it.

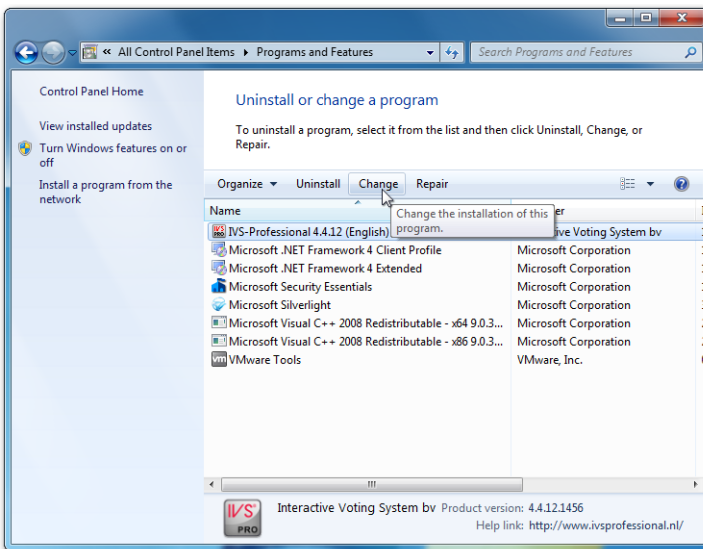
## Installing the communication plug-in

For the IVS software to be able to use the RF-II Base Station over the network, you will have to install an extra communication plug-in. This plug-in is included in the installation package of the IVS software, but is not automatically installed.

The following description assumes that you have already installed the IVS software. If you haven't installed the software yet, continue reading the section "Installing the software".

## Changing the installed software

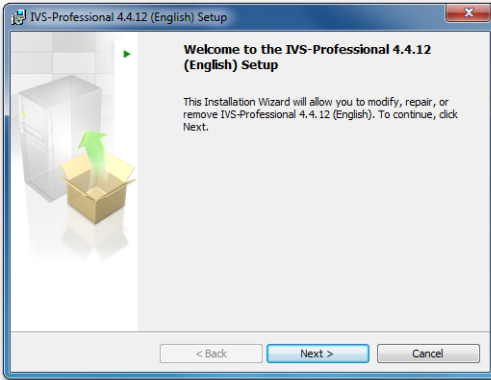
You go to the Control Panel and click the Programs and Features icon. A list is displayed containing the software that is installed on your computer.



A list of the software installed on your computer

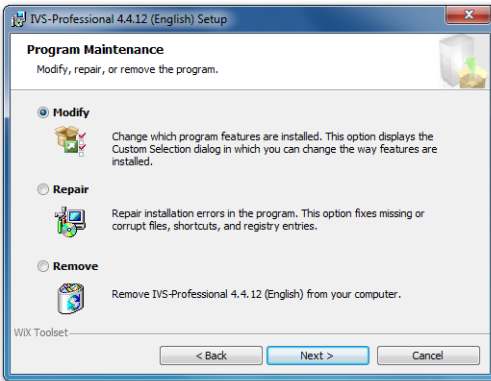
Select the IVS software and click on the "Change" button.

The Wizard for modifying the IVS software is started.



The Wizard for modifying the IVS software is started

Click on “Next” to continue.



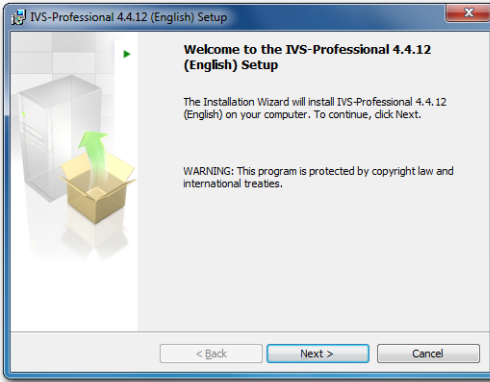
Select the option *Modify* to make modifications to the installed software

Select the option *Modify* to make modifications to the already installed software. Click on “Next” to continue.

Follow the instructions in the section “A custom setup”.

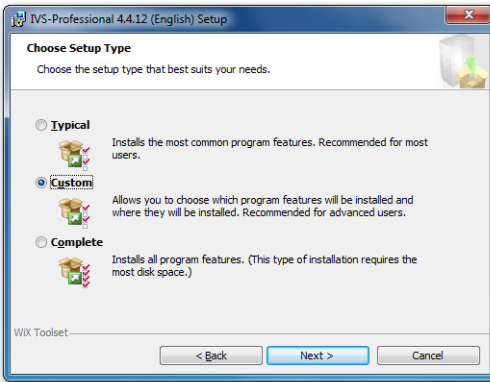
## Installing the software

After having started the installation of the IVS software, the Wizard for installing the software appears.



The Wizard for installing the IVS software is started

Click on “Next” to continue.

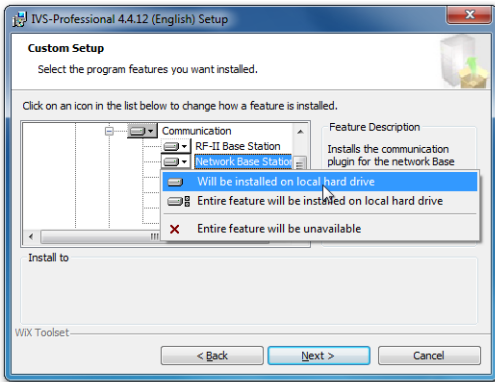


Choose the setup type that best suits your needs

When you are asked to select a setup type, you select the option *Custom*.

## A custom setup

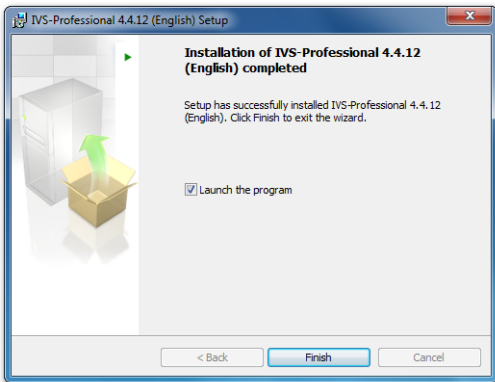
The window for a custom setup appears. This allows you to select the program features that you want to install or don't want to install.



The custom setup allows you to select features that you want to install

Double-click the “Shared components” option, then double-click the “Plugins” option and finally double-click the “Communication” option. You will see a red cross in front of the “Network Base Station” option. Click on this cross and select the option “Will be installed on local hard drive”. Then click “Next” to continue.

After that, click on the “Install” button to install the software. After the software has been installed, click on the “Finish” button to close the wizard.

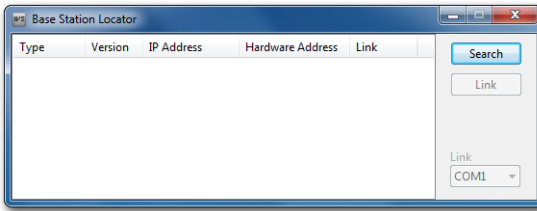


The Wizard has completed the installation

## Determining the IP-address of the RF-II Base Station

Before the IVS software can connect to the RF-II Base Station you have to indicate on which IP-address the RF-II Base Station can be found. To determine this IP-address, you use the ‘Base Station Locator’ application. This application is installed together with the communication plug-in. You find this application in the Start Menu, under ‘IVS’, ‘IVS-Tools’, ‘English’.

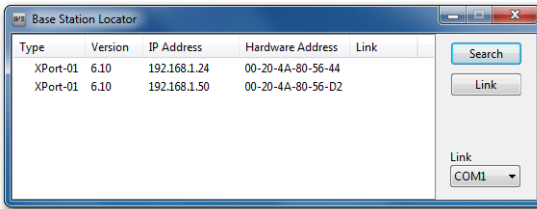




The Base Station Locator detects all Base Stations in your network

The Base Station Locator detects all RF-II Base Stations that are connected to your network. Click on the “Search” button to detect the RF-II Base Stations. Information of all the RF-II Base Stations found is displayed in the list.

**Note:** After the RF-II Base Station has been switched on, it can take up to 20 seconds before it can be detected. If the RF-II Base Station cannot be immediately detected, please wait a few seconds and then click the “Search” button again.



Two RF-II Base Stations were detected on the network

**Type:** The type of the network connection of the RF-II Base Station. At this moment only the XPort-01 is used.

**Version:** The version number of the firmware that controls the network part of the RF-II Base Station.

**IP Address:** The IP-address of the RF-II Base Station.

**Hardware Address:** The hardware address of the RF-II Base Station. This is a unique address for each device that can be connected to a network. The hardware address of the RF-II Base Station is also indicated on a label on the back of the RF-II Base Station.

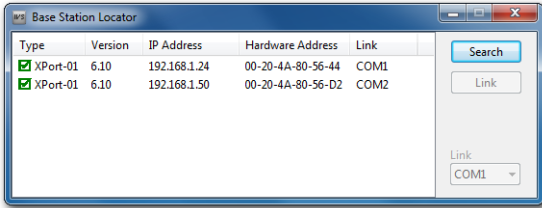
**Link:** The COM-port to which this RF-II Base Station is currently linked.

## Linking the RF-II Base Station to a COM port

The current version of the IVS software can only initialize an RF-II Base Station when it is connected to a COM port. To use an RF-II Base Station that is connected over a network, the IP-address of the RF-II Base Station must be linked to a COM port. This link is

only necessary to be able to select the RF-II Base Station in the IVS software. The COM port is not actually used for communicating with the RF-II Base Station.

To link an RF-II Base Station to a COM port, you click the “Link” button in the Base Station Locator. Each RF-II Base Station will now display to which COM port it has been linked.



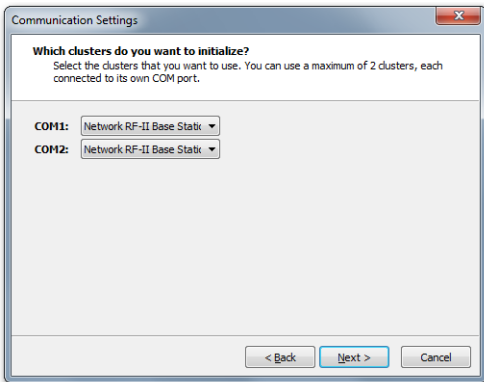
Both RF-II Base Stations are linked to a COM port

The Base Station Locator starts with the given COM port and then numbers them consecutively. COM ports that are not physically available on your computer are automatically added by the Base Station Locator. These virtual COM ports are also automatically removed when the computer is rebooted.

When all the RF-II Base Stations that were found are successfully linked to a COM port, you can close the Base Station Locator.

## Initializing the RF-II Base Station

After linking the RF-II Base Station to a COM port, you can use it in the IVS software. To do this, you open the Communication Settings, by selecting the *Settings* option in the *Communication* menu.



Choose the Network RF-II Base Station option

Choose the ‘Network RF-II Base Station’ as the cluster type. You follow the rest of the settings like you would for a normal RF-II Base Station. You select a channel, initialize the RF-II Base Station and then you initialize the keypads.



