MAT2x3 Manager

Products: MAT243 and MAT283

This software is designed to work with Wisycom MAT243 and MAT283 diversity RF matrix/combiners. Those systems can be monitored configured using the included USB / Ethernet interfaces using a the Application "Mat2x3 manager"(under windows 2000/XP/Vista/Windows7/Windows8). Before using this software be sure you have a working USB or Ethernet.

USB connection

USB connection is automatically detected and the password login box shows up. Once inserted the correct password, the program opens and allows remote operation.

NOTE: If no password setup (blank password) or save option was chosen (password memorized locally on computer), software connects directly to Matrix without further requests.
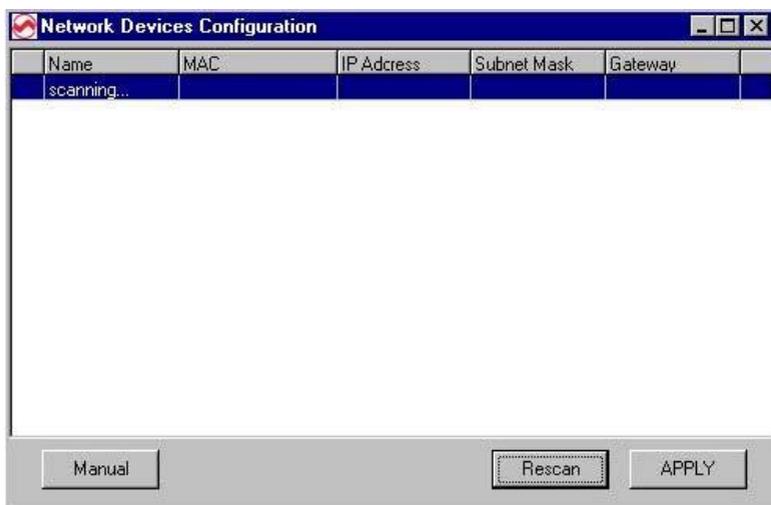

Ethernet connection

Wisycom Mat2x3 manager is using TCP on port 2101 to established a remote link with Wisycom Matrix thru an existing IP connection: proper network parameters must be setup in the device and in the software. This can be done on the **FILE >> Addresses** box.

The network is automatically scanned to find suitable devices. This is done using UDP multicast protocols, thus if your devices are behind routers be sure this multicast is propagated. Once the device list is ready it is possible to select the desired matrix (crossing the small square at the chosen matrix row), changing they network configuration(crossing the right small square at the chosen matrix row) and tell the program to connect to this specific device clicking on **APPLY** button.

NOTE: it is also possible to manually configure the interface without the automatic discovery, pushing the **MANUAL** button.
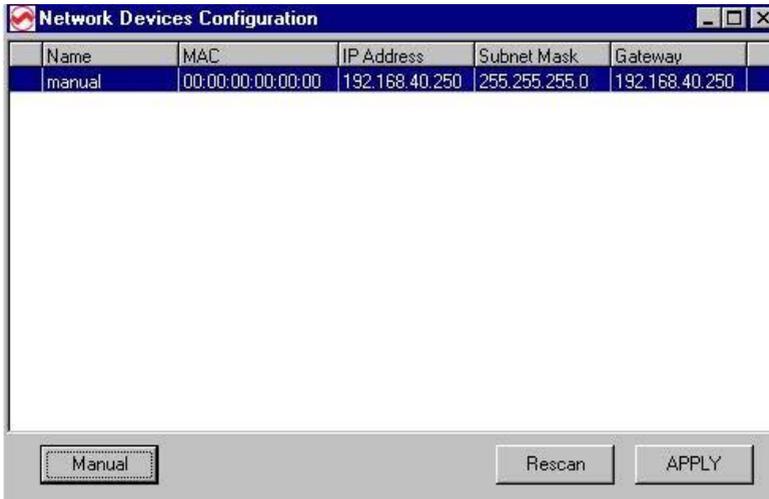
Operation

Once connected the program allows matrix configuration the same way could be done on the local panel. Thru **VIEW** menu, it is possible to setup the control windows in **SIMPLE** or **ADVANCED** mode.

ADVANCED mode allow a deep configuration of alarm and more technical info on system status.

It is recommend not to use **ADVANCED** view or daily operations.

On the above figure there is matrix program simple menu. This windows is made up of three parts:

Antenna configuration: with 8 (4 for MAT243) diversity input configuration.

 Clicking on square button it is possible to select up to 3 diversity inputs to be combined to the diversity output. Just above the square button, a small circle flag shows if the associated booster is active (once selected): active; inactive.

 On the text box it is possible to write a small text to better identify the source or input (i.e. studio1, plateaux B).

The below check bottom allows to pre-configure the booster:

☑ when the input is activated, the associated booster will be active

☐ when the input is activated , the associated booster won't be active

Connection submenu: where it is also possible to lock remotely the matrix.

Alarms submenu: where all the most relevant alarms are shown.
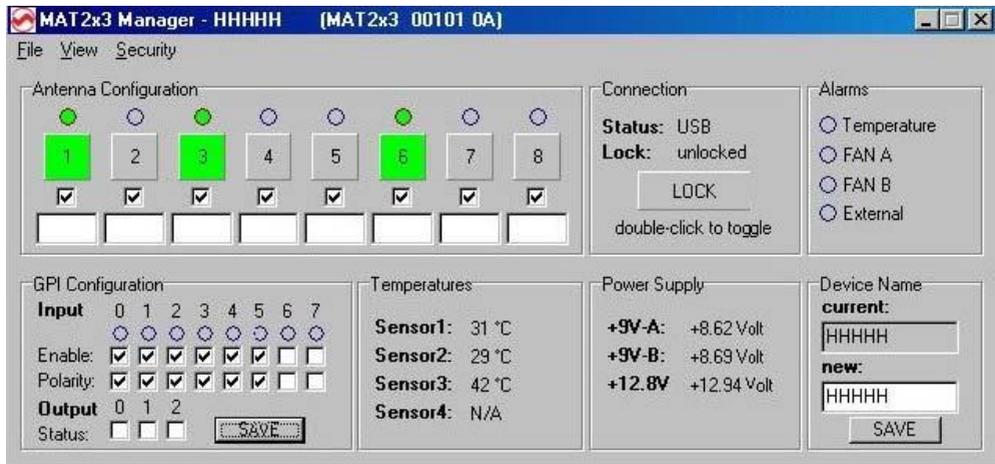
On the above figure is the matrix program advanced menu. Here besides some more technical info on matrix status it is possible to configure the alarms and the matrix name.

Security

Matrix protocol is encrypted and all packet must be validate to be accepted by the matrix. It is also possible to setup a password to secure matrix access thru the Wisycom matrix program, using the **SECURITY >>SET PASSWORD** menu. If a password is setup, then this is requested to be able to login the matrix and being able to configure it. It is possible also to store the password on the local computer (avoiding to type it every time).It is also possible to remove this local computer setup, with **SECURITY >> CLEAR PASSWORD CHECK** menu item.

WISYCOM MAT2X3 MANAGER - INSTALLATION

How to install Wisycom MAT2x3 Manager

Run the executable file (i.e. setup.exe) and follow the installation instructions. WARNING: If it is the first installation and Wisycom USB driver is not already installed in the PC, please see Wisycom Driver section.

How to update Wisycom MAT2x3 Manager

Uninstall the Wisycom MAT2x3 Manager program active in your computer and afterwards install the newest version of Wisycom MAT2x3 Manager.

Wisycom MAT2x3 Manager - Version history

The following table reports the released versions of Wisycom MAT2x3 Manager and for each one there are listed:

- added features ➔ add
- fixed bugs ➔ fix
- improvement/modified features ➔ mod

Version	Date	Added or modified features/Bugs Fixed
1.0.0.3	21/10/2009	

WISYCOM DRIVERS

How to check if the Wisycom USB driver is installed on the PC

- connect the device using USB cable
- open Windows Control Panel
- select Hardware and Sound
- select Device Manager
- verify that the hidden devices are showed
- check item Controller USB device: if Wisycom Device is present, then
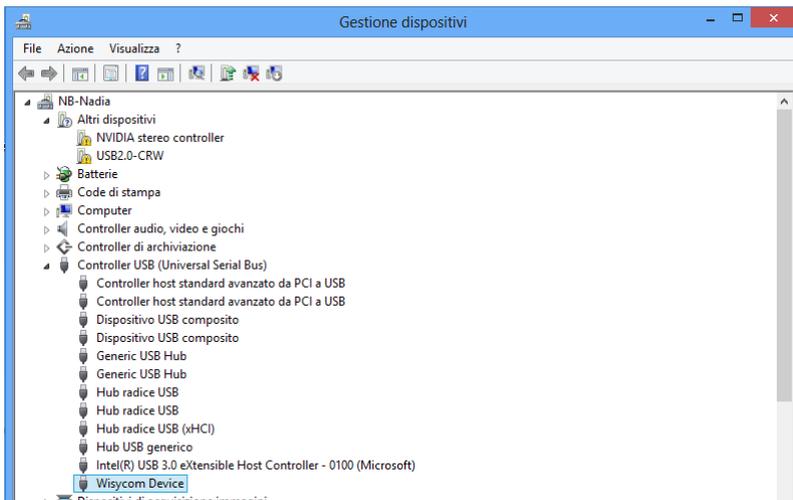
the USB Wisycom Driver is installed. Otherwise it is necessary to install the driver.

How to install the driver

- Download Driver.zip from the web site
- Unzip the folder
- Run DriverInstaller.exe

For Windows 8 platform, if you have problem during the installation (ex. the INF file is not correct,….) please see section "How to install Wisycom Driver on Windows 8".

Platforms Supported

Microsoft Windows XP SP3 (32-bit and 64-bit)
Microsoft Windows 7 (32-bit and 64-bit)
Microsoft Windows 8 (32-bit and 64-bit)

How to install Wisycom Driver on Windows 8

1. Access to the main Charm Bar moving the cursor to the bottom right corner and press Setting Charm or press **win + I** → The Settings charm menu will appear.
2. Click **Change PC Settings** at the bottom.
3. Go to **General**, and scroll to the bottom of the page, click **Restart Now** button under **Advanced Startup** section. Remember to save all your work first before clicking it.
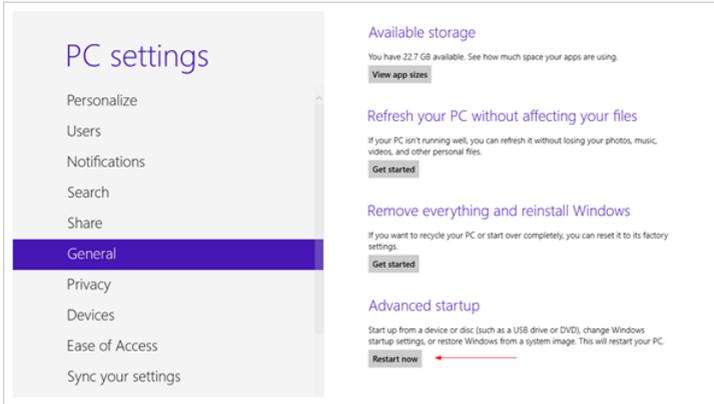
4. The computer reboots to a startup menu, in which click **Troubleshoot**.
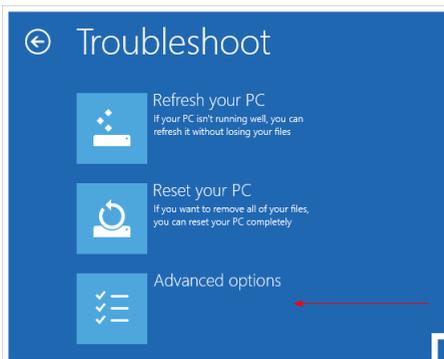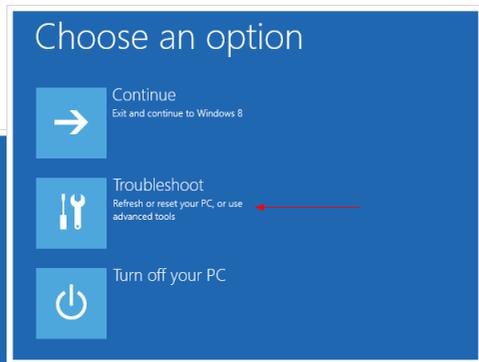
5. Click **Advanced Options** at next screen.
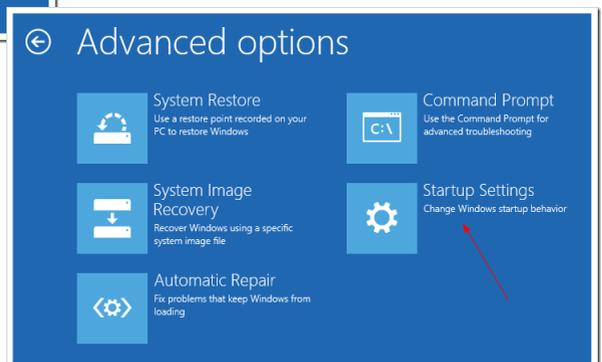
6. Choose **Startup Settings** next

7. Click **Restart** button.

Startup Settings

Restart to change Windows options such as:
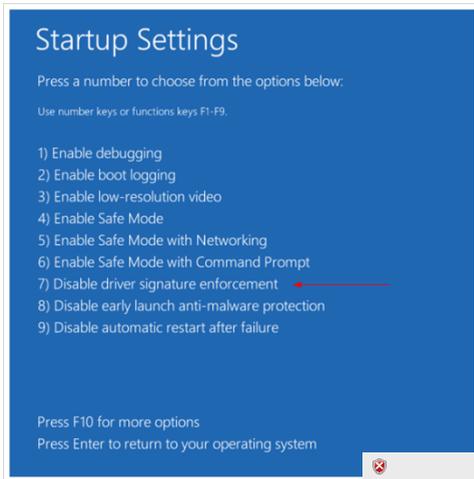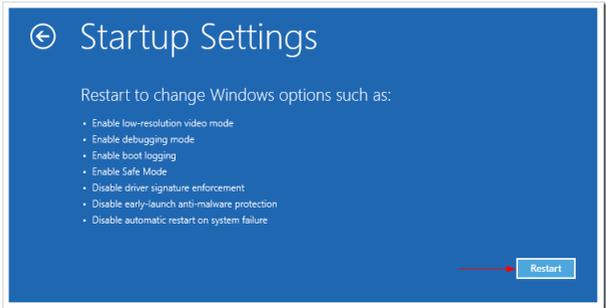
- Enable low-resolution video mode
- Enable debugging mode
- Enable boot logging
- Enable Safe Mode
- Disable driver signature enforcement
- Disable early-launch anti-malware protection
- Disable automatic restart on system failure

Restart

Startup Settings

Press a number to choose from the options below:

Use number keys or functions keys F1-F9.

1) Enable debugging
2) Enable boot logging
3) Enable low-resolution video
4) Enable Safe Mode
5) Enable Safe Mode with Networking
6) Enable Safe Mode with Command Prompt
7) Disable driver signature enforcement
8) Disable early launch anti-malware protection
9) Disable automatic restart after failure

Press F10 for more options
Press Enter to return to your operating system

8. The computer reboots and prompts another menu to choose. One of the items is to **Disable driver signature enforcement**. Press number **7** or **F7** to continue booting to Windows 8 with digital sign enforcement disabled.

Windows Security

Windows can't verify the publisher of this driver software

→ **Don't install this driver software**
You should check your manufacturer's website for updated driver software for your device.

→ **Install this driver software anyway**
Only install driver software obtained from your manufacturer's website or disc. Unsigned software from other sources may harm your computer or steal information.

⌄ See details

9. Install Wisycom Driver as indicate in the Wisycom driver section. When the Windows security alert appears (see next window), choose "Install this driver software anyway"
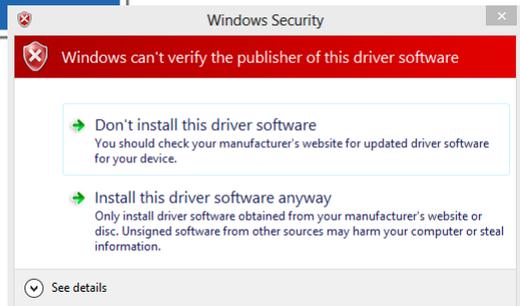
For more information or support, please visit our www.wisycom.com or email us at support@wisycom.com