

*MaxiNet*TM 7



Operating Manual

Version 7.3.4

March 2011

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In view of constant development of our products, the manufacturer reserves the right to change technical data and features without prior notice. Some of the features in the Maxinet SW do not comply with all controllers.

1. Installation Instructions

1.1. System requirements


- Computer RAM 0.5 GB and above.
- Computer Processor 1.7 GHZ and above.
- Operating system Windows XP Professional with SP2 or SP3, Windows 7 or Windows Server 2003.
- Software does not support Windows Vista.
- Computer with available USB port or a serial com port.
- Internet Explorer 6.0 and above
- Computer configuration should be defined without password to Log-in.

Important: The Windows XP original installation CD may be required during the installation.

1.2. Installation procedure

- Insert the MaxiNet product CD into the CD-ROM drive. The MaxiNet installer starts automatically, displaying the following screen:



Note: If the installer does not start automatically, explore the CD through “My Computer” and double click  MaxiNet.Setup.exe.

- When the verification progress is over, the language selection window will appear allowing you to select your language from the list. Press the [OK] button to confirm.




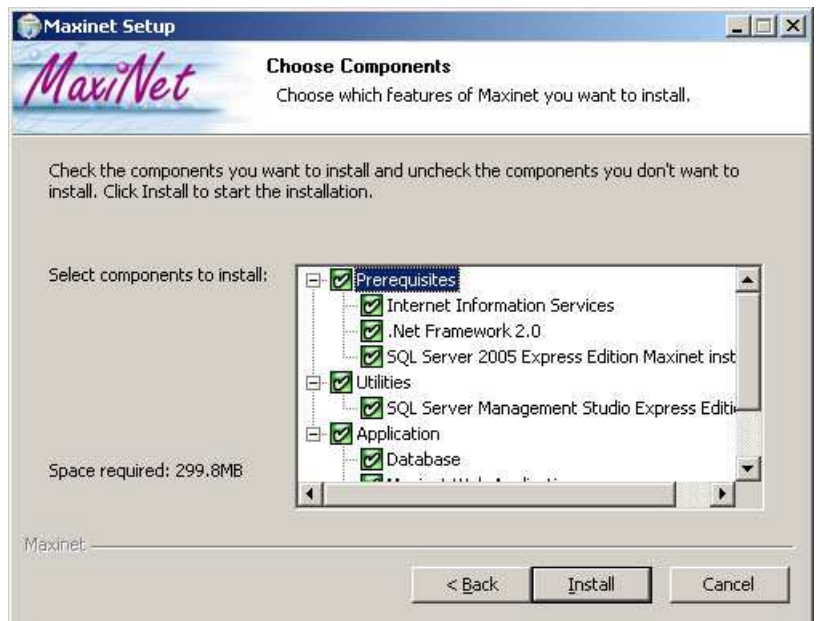
- The “Welcome to MaxiNet Setup” screen will be displayed. Press the [Next] button to proceed with the installation process.



- The “Choose Components” screen will appear allowing you to choose software components you wish to install.

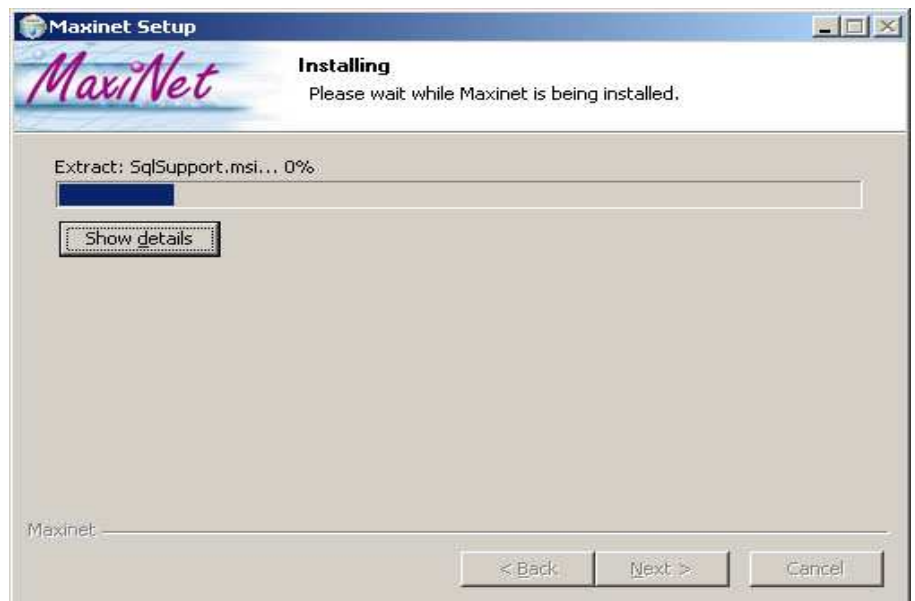
It is highly recommended the all components will be installed at this stage.

In case that some of the components are already installed, the installation time can be decreased by deselecting these components. Press the  icon to add/remove components from the installation procedure.



When finished, press the [Install] button.

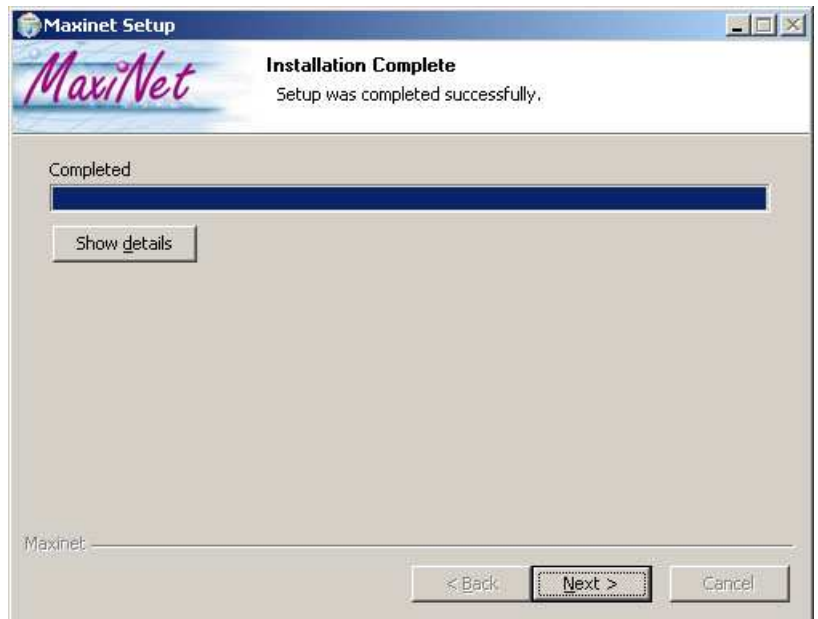
The installation process may take 15 to 30 minutes according to the computer performance.



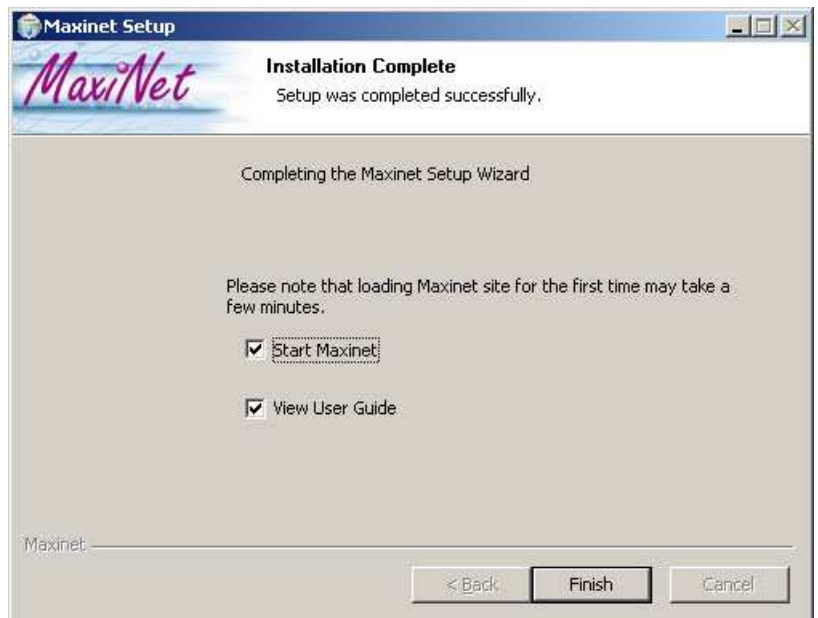
Important:

- a. During installation you may be asked to confirm rewriting of some components already installed.
- b. In case a firewall or anti-virus software is installed on your computer, you will be asked to allow the installer to connect to your local server.
- c. For the IIS component installation, you may be asked to insert the Windows CD. The installation will run automatically and when finished, you may be asked to return the Maxinet installation CD.

- When installation is complete, the [Next] button will be enabled. Press it to finish the installation.



- Press the [Finish] button to start the application and view the user guide.



When the installation is over, two new icons will be created on the desktop.



The scanner will be automatically installed in the start-up programs, to ensure its operation after power breakdown and any restart.

[Units Settings] will be the first screen to enter after the log-in in the first entering to the system.

The scanner settings should be defined (see section #6.2) and the scanner can be run.

Note: Scanner application will not start unless a Meitav-tec USB or Serial adaptor is connected to the computer and properly defined (and detected).

After the first run by the scanner, please follow the section #6.3 Units Settings.

1.3. Meitav-tec USB adaptor installation

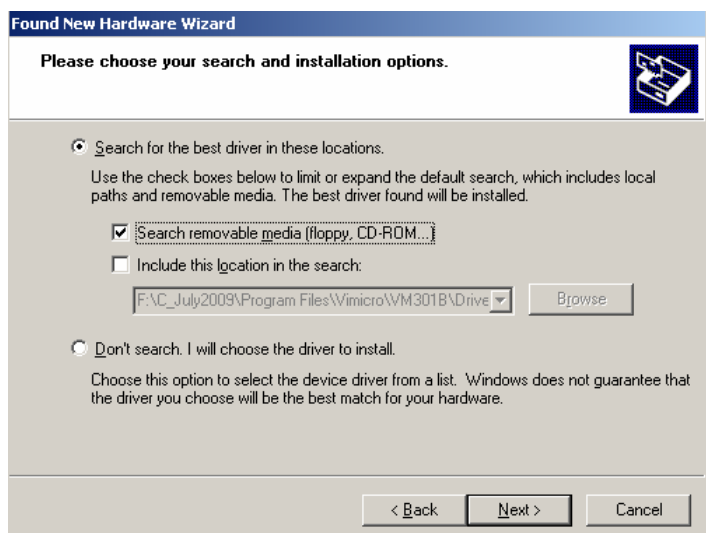
- Plug the USB adaptor into an available USB port.

The "Found New Hardware Wizard" Page will appear:

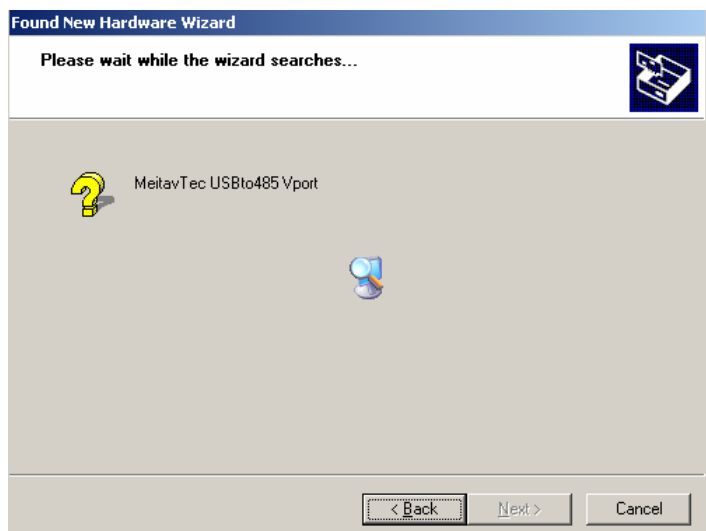


Mark the "Install from a list or specific location (Advanced)" option, and press the [Next] button.

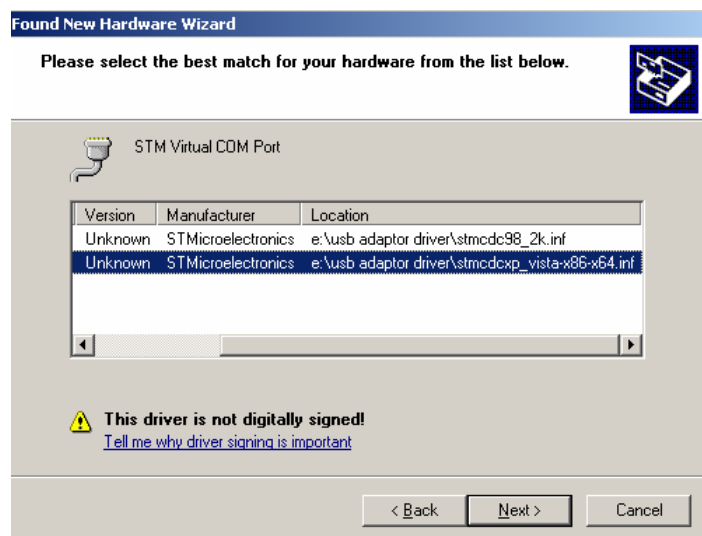
- Keep the Maxinet installation CD in the CD drive and press the [Next] button.



- The Following page will appear:

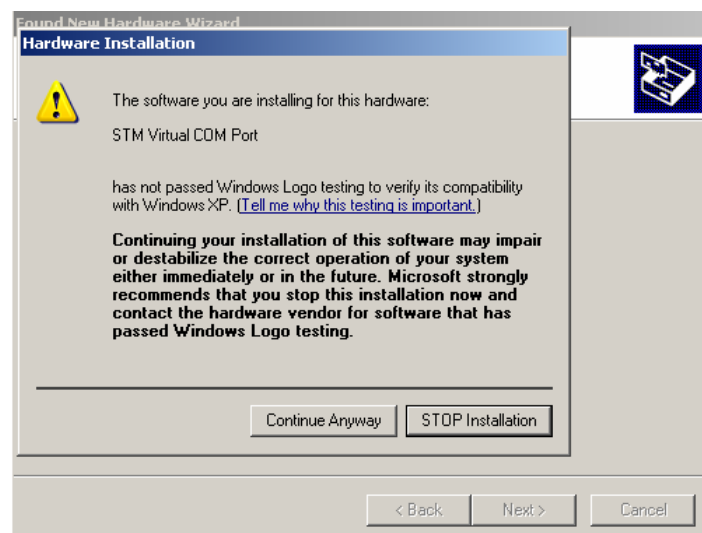


- Select the appropriate Driver according to the Computer's operating system (either 98, XP or Win 7) from the following page:



Note: if the driver is not automatically detected in the CD drive, or you do not have the installation CD available, please manually brows to C:\WINDOWS\inf or C:\Program Files\Maxinet directory.

- In the Hardware Installation window that appears, press the [Continue Anyway] button



- Press the [Finish] button



2. Open Maxinet and login

2.1. Open Maxinet

To open Maxinet from the computer on which the software is installed:

- Press the “Maxinet” icon on the desktop.



Maxinet

Note that during normal operation of the system, the “**scanner**” (the software component that communicates with the physical AC units) **must always run**. By default, it will start automatically during windows startup.

In case that the scanner is not running, run it manually by pressing the “Scanner” icon on the desktop.



Scanner

To access Maxinet from a remote computer in the same network (Ethernet), open the web browser and type:

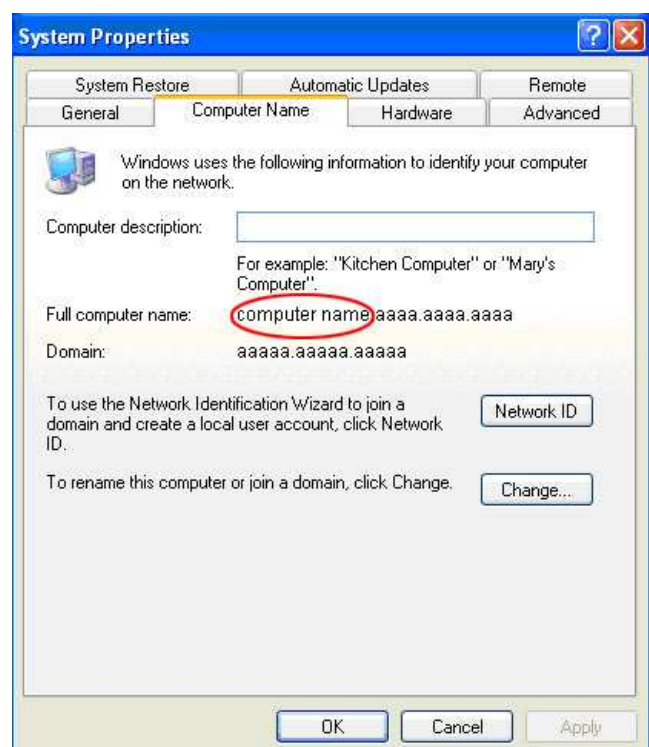


Where <computer name> is the name of the computer **on which the software is installed** and the units are connected to (Maxinet server).

Important note: the IP address of the Maxinet server must be manually configured (fixed IP) and not from DHCP. Port 80 must be opened on the Maxinet server.

To find the computer name, follow these steps:

- Go to the Desktop and right click the “My Computer” icon.
- Select “Properties”.
- In the window that opens select the “Computer Name” tab.



To access Maxinet from a remote computer outside the network (using the internet):

Important: The computer (Maxinet server) should have access from remote users via VPN (firewall, permissions needed).

In the remote computer, once the VPN connection established, type the Maxinet server name in the web browser as shown below:




Note: The IP address of the Maxinet server must be added in the remote computer HOST file.

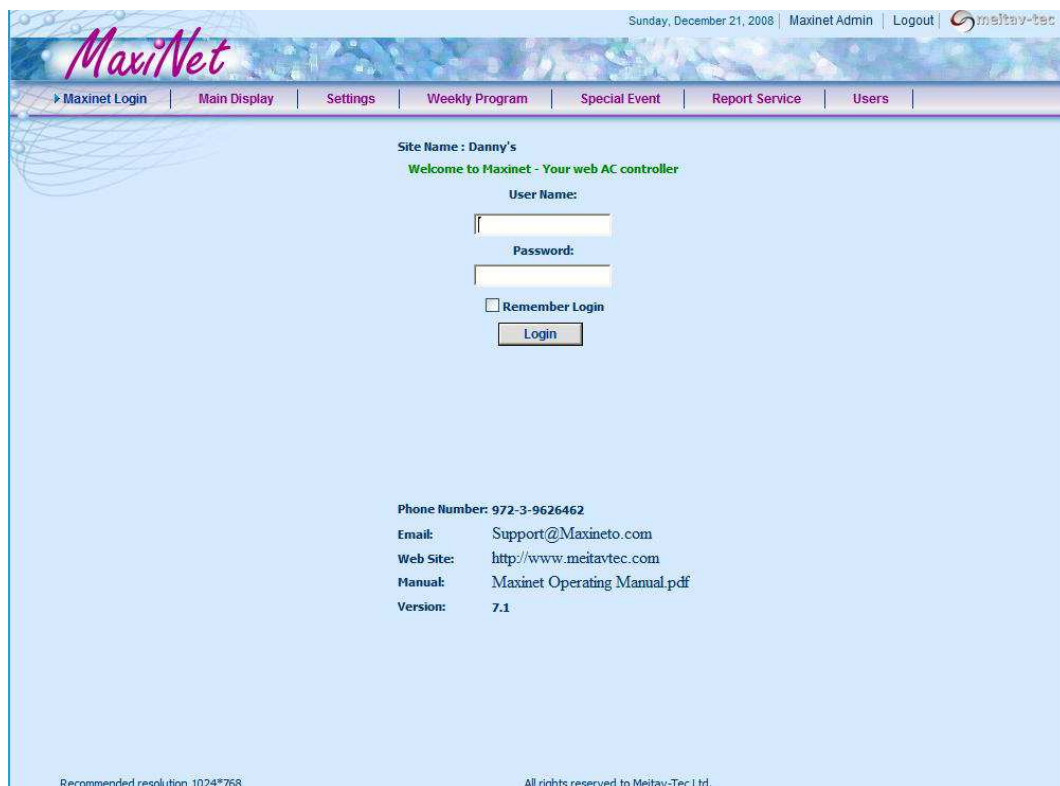
(Go to c:\windows\system32\drivers\etc, open the HOST file with Notepad. Add-in new line with the IP address and the Server name in the end of the list. Example: 10.0.0.66 maxinetsrv)

Please consult your system administrator for further details.

2.2. Login screen

- Type the user name and password and press the  button.
If the user name and password are correct, you will be automatically redirected to Maxinet main display.

Note: The password and email addresses are signed by the Maxinet administrator only.



Note: The Administrator user name and password can be found on the installation CD.

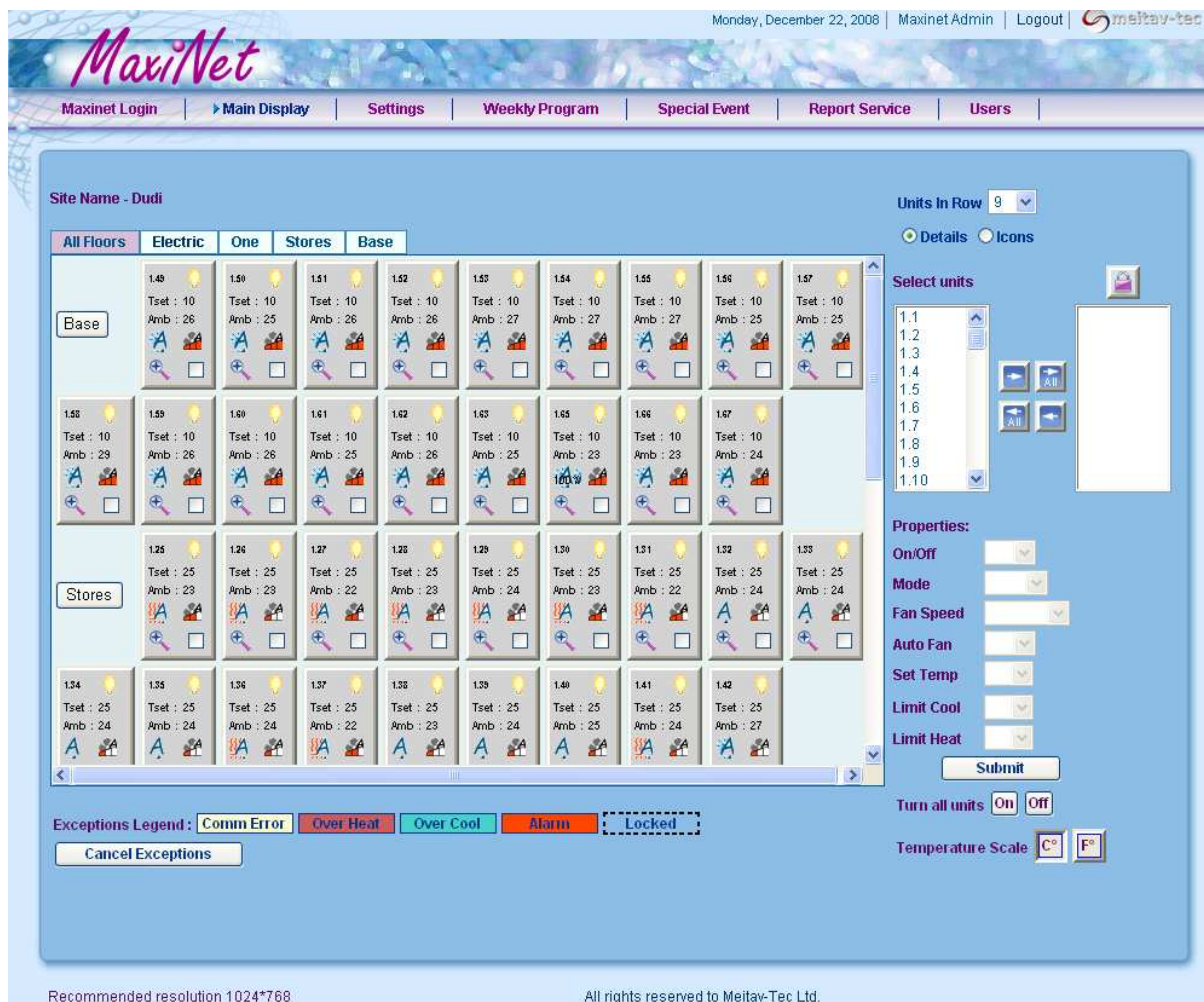
3. Main display

3.1. Main display window

- Press the  button to open the main display window.

The default display of the units shows the most important properties of each unit at real time.

The display is different for thermostats, output cards and input/output cards.




3.2. Units display

The left yellow pane of the main display screen shows the units that already been connected to the network and scanned by the software. Unit that were added to the network and not scanned by the software must be added to the software manually (see 5.4)

By default, the unit's pane shows all units in all floors, each floor in a row (in all floors display). When the number of units in one floor exceeds the width of the pane, use the horizontal scroll bar to scroll to the right. When the number of floors exceeds the length of the pane, use the vertical scroll bar to scroll up/down.

 Units In Row 10

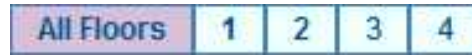
Definition of the  number will define how many units will be displayed in every row of the screen. Different number can be selected for Details and Icons displays

3.3. Display units by floors

The units can also be displayed by floors, one floor at a time (one floor display).

This option is suitable when the floor contains a lot of units that cannot be displayed properly in the regular display mode.

Use the buttons at the top of the pane to switch between displays.



3.4. Large units / Small units display

At the top right side of the main display window, select between large units display and small units display.

The small units display enables you to see more units on the screen. The large units display enables you to see more properties of the units.



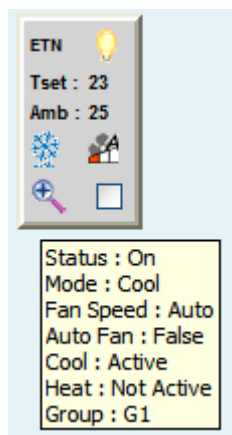
3.5. Thermostat regular display



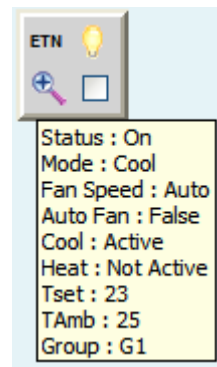
The regular display shows the following:

- Unit's name (unit3)
- Set-temperature (Tset : 20)
- Ambient temperature (Amb : 21)
- The unit is turned ON (light bulb icon) or OFF (light bulb icon)
- Unit's Mode: Cool (snowflake icon), Heat (fire icon), Auto change-over (A icon), Fan only (fan icon)
- Fan Speed: Low (fan icon), Medium (fan icon), High (fan icon), Auto speed (A icon)

Note: While hovering with the mouse over the unit, a tool-tip box with the unit information is displayed.



Details tool-tip:



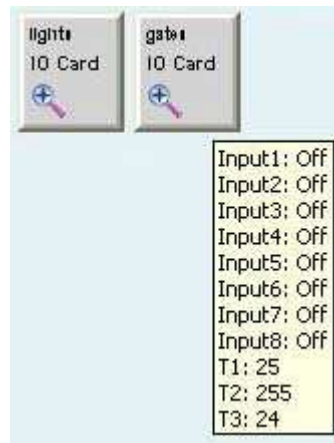
Icons Tool-tip:

3.6. Output Card and Input/Output Card regular display



The regular display shows the output card and the input/output card name only.

Other parameter can be viewed when hovering with the mouse over the unit's display.



3.7. Indications and Alerts

A colored rectangle will surround the unit in the following cases:

- Yellow – Communication fault – Maxinet cannot find the unit.
- Red – Over heat alert – the ambient temperature exceeds the high temperature limit.
- Green – Over cool alert – the ambient temperature exceeds the low temperature limit.
- Orange – I/O alarm.



The color legend appears at the bottom of the screen.

Dashed frame surrounding a unit means the unit is locked.


(Not all panels can be locked by the software. Some types of units are displayed in the software as locked but the actual unit does not physically support the Lock function)



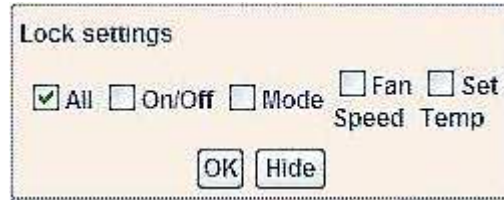
By pressing the **Cancel Exceptions** button, all Alarms red signals will be removed from the main display. As soon as a new alarm will be caused, the unit will be colored as it should and the user will need to press the Cancel Exceptions again.

3.8. Lock units

Some units in the Maxinet software can be locked for end users operation.

After selecting units, pressing the Lock icon above the selection units pane () will lock the units and a dashed frame will surround the unit display.

While locking units with advanced locking features, allowing locking separately the unit's Mode, Fan etc. a pop-up menu will appear with selection options for locking





Select the relevant locking features for the selected units and press the OK button.

Please note: Not all units can be locked by the software. Please ask your supplier for more information.

3.9. Change unit's properties



All units can be turned on or off using the    buttons.

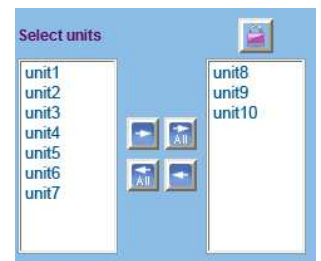
Temperature scale can be selected using the    buttons.

All other properties of the units can be changed following these steps:


Step 1: Selecting the units to be changed

Selecting a unit can be done in one of the following ways:

- **Selecting units through the main units display**
 - Press the select button on the icon of the unit.
- **Selecting units through the unit's list pane***
 - At the unit's pane on the right of the screen, choose a unit. The line will turn blue. In order to add units to the selection, simultaneously press the keyboard's CTRL button and the unit you want to add
 - Select units from the left window and move them to the right window using the "move one" () or "move all" () buttons.



Important: The properties in the list will be activated on all the units on the right window.

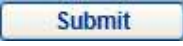
You can remove units back to the left window using the  and  buttons.

- **Selecting a whole row**

- Press the name of the floor on the main units display pane.
The whole floor will be selected.

Step 2: Changing properties of thermostats/controllers

- **Changing properties through the main display**

- Select the new properties for the units from the listed options.
- When finished, press the  button.

Properties:

On/Off

Mode

Fan Speed


Auto Fan

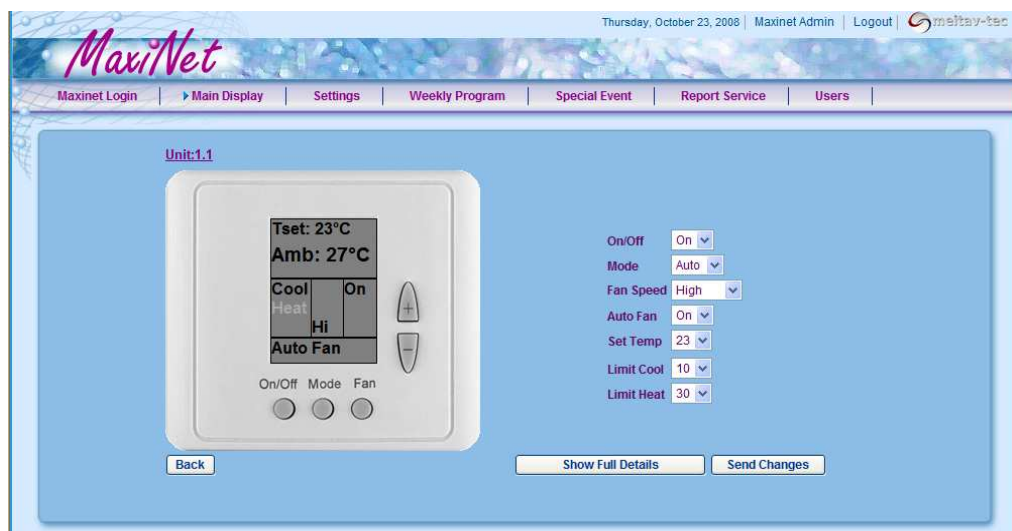
Set Temp

Limit Cool




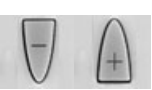
Limit Heat


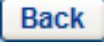
- **Changing properties of a single unit through enlarged unit's window**

- Press the  icon of the desired unit – a window with thermostat display will appear.




- Press the buttons of the thermostat to change properties:

-  - Turn the nit ON or OFF
-  - Change between modes
-  - Change between fan speeds
-  - Change temperature set-point


- When finished, press the  button.
- Press the  button to return to main display.

- **Changing properties of a single unit through Full Details window**

The thermostat display shows the most common properties of the unit. Detailed properties of the unit can be viewed and changed by pressing the  button.

Note: The grayed out properties on the full details window are read only.


Property	Value	Property	Value	Property	Value
Unit ID	1	Fan Only Disable	False	External Fan High	False
Type Device	ETN-C-24/SUPE	Cool Disable	False	T2 Minus	False
Status	On	Heat Disable	False	Fan Low	False
Mode	Cool	Auto Change Disable	False	Fan Medium	False
Fan Speed	High	Tset Cool	20	Fan High	False
Auto Fan	Fan	Tset Heat	20	T3 Minus	False
Unit Of measure	Celsius	Limit Cool	10	Enable Faults	False
Timer	False	Limit Heat	30	Fault1	False
Econome	False	T1 Ambient	23	Fault2	False
Two Tset	False	T2 Ambient	255	Fault3	False
Fan Speed Read Only	True	T3 Ambient	255	Fault4	False
Auto Fan Read Only	False	Status Cool1	False	Fault5	False
Mode Read Only	False	Status Cool2	False	Fault6	False

Again, when finished, press the  button.

The "Show Full Details" window refresh time may be long, due to the amount of units in the network. For viewing the actual value of each property, the system must finish a full scanning cycle to all the units before the updated screen is displayed.

Step 2.2: Changing properties of an Output Card

Changing properties of an output card can be done only through the enlarged unit's window:

- Press the  icon of the selected output card – a window showing the real time status of the outputs will appear.
- Select the status of each output (ON or OFF).
- When finished press the **Send Changes** buttons. Note: undefined outputs will be indicated by red color and their status cannot be changed. The outputs can be defined in the unit's settings window.
- In order to turn all outputs on, press the **Turn On All Outputs** button.
- In order to turn all outputs off, press the **Turn Off All Outputs** button.
- Press the **Back** button to return to main display.

Note: The status of unused outputs cannot be changed. These outputs will appear "RED".



Property	Value	Property	Value	Property	Value
Unit ID	3	Chiller1	Off	Water T.	27
Type Device	CTU-1601	Chiller 2	Off		
Chiller1	On	Boiler1	On		
Chiller 2	On	CO sensor	Off		
Boiler 1	On	Flow Switch			
Park gate		Fan coil			
Back door	Off	Heater	Off		
Garden fan	Off	Pool Pump	Off		
GlassHouse	Off	Outside T.	29		
Pool Pump	Off	Ground T.	34		





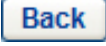
The status of the inputs is shown on the second column.

Note: Disabled outputs & inputs will appear dimmed.


Step 2.3: Changing properties of an input/output card

The Maxinet display of an input/output card can show the status of 8 inputs and 8 outputs.

Changing properties of an input/output card output is exactly the same as for output card.

- Press the  icon of the selected output card – a window showing the real time status of the outputs will appear.
- The outputs are displayed on the first column. Select the status of each output (ON or OFF).
- When finished press the  buttons. Note: undefined outputs will be indicated by red color and their status cannot be changed. The outputs can be defined in the unit's settings window.
- In order to turn all outputs on, press the  button.
- In order to turn all outputs off, press the  button.
- Press the  button to return to main display.

Note: The status of unused outputs cannot be changed. These outputs will appear “RED”.



The screenshot shows the 'Unit: I/O card' configuration window. It features two main columns of controls. The left column includes fields for 'Unit ID' (3), 'Type Device' (CTU-1601), and a list of outputs: Chiller1, Chiller 2, Boiler 1, Park gate, Back door, Garden fan, GlassHouse, and Pool Pump, each with a status dropdown (On/Off). The right column includes a list of inputs: Chiller1, Chiller 2, Boiler1, CO sensor, Flow Switc, Faults, Heater, Pool Pump, Outside T., and Ground T., each with a status dropdown (Off) and associated alarm/blink settings. At the bottom, there are buttons for 'Back', 'Send Changes', 'Reset Alarms', 'Turn Off All Outputs', and 'Turn On All Outputs'.

Property	Value	Property	Value	Property	Value
Unit ID	3	Chiller1	Off	Water T.	27
Type Device	CTU-1601	Chiller 2	Off		
Chiller1	On	Boiler1	On		
Chiller 2	On	CO sensor	Off		
Boiler 1	On	Flow Switc			
Park gate		Faults			
Back door	Off	Heater	Off		
Garden fan	Off	Pool Pump	Off		
GlassHouse	Off	Outside T.	29		
Pool Pump	Off	Ground T.	34		

The status of the inputs is shown on the second column.

Note: Disabled outputs & inputs will appear dimmed in light blue.

Alarms – If a D/I defined as alarmed (See section 6 for settings), by pressing the Reset Alarms button, the red indications will be removed until the next alarm will be shown.

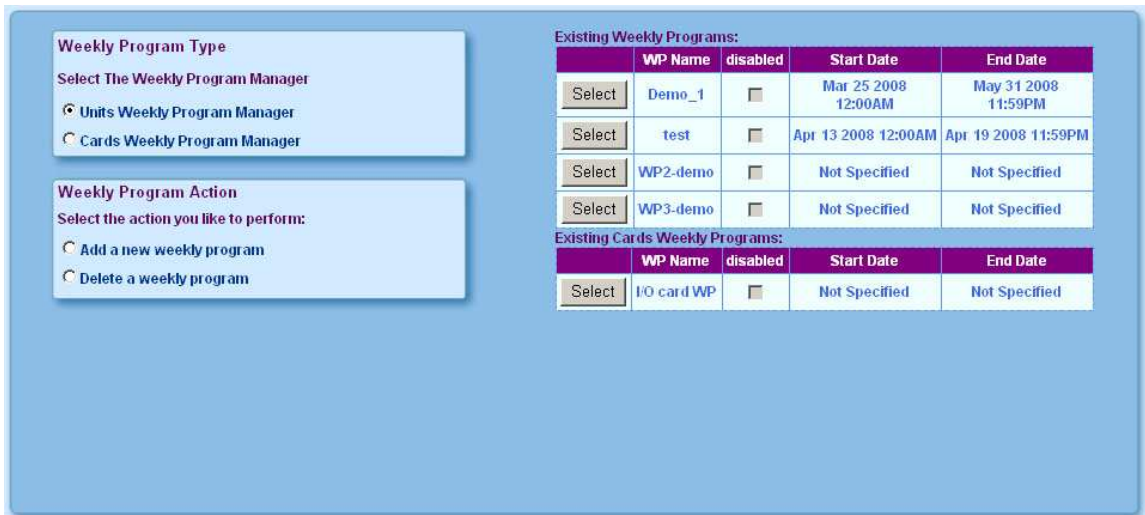
For setting the inputs and outputs names and the alarms – see section 6.4

4. Weekly program

4.1. Open the weekly program window

- Press the  button to open the weekly program window.

Maxinet allows you to define multiple weekly programs, activate or deactivate each of them.



	WP Name	disabled	Start Date	End Date
Select	Demo_1	<input type="checkbox"/>	Mar 25 2008 12:00AM	May 31 2008 11:59PM
Select	test	<input type="checkbox"/>	Apr 13 2008 12:00AM	Apr 19 2008 11:59PM
Select	WP2-demo	<input type="checkbox"/>	Not Specified	Not Specified
Select	WP3-demo	<input type="checkbox"/>	Not Specified	Not Specified

	WP Name	disabled	Start Date	End Date
Select	I/O card WP	<input type="checkbox"/>	Not Specified	Not Specified

The 'Weekly Program' let you to design a program that will set and change the unit's parameters at any time and day of the week for thermostats and general output cards.

Every program can be set for a single unit or a group of units.

The weekly program allows multiple changes during a day.

A number of weekly programs can be set separately.

Important note: MaxiNet will not allow any contradiction between different weekly programs.

4.2. Create a new weekly program for thermostats

- From the options on the left, select both “units weekly program manager” and “add a new weekly program”.

Weekly Program Type
Select The Weekly Program Manager

☒ Units Weekly Program Manager
☐ Cards Weekly Program Manager

Weekly Program Action
Select the action you like to perform:

☒ Add a new weekly program
☐ Delete a weekly program

The weekly program editor will open:

Weekly Program Details

Name:

Disabled: ☐

Run WP between dates: ☐

Weekly Program Units

☐ By Groups
☒ By Units

1.1
1.2

Notice that the WP applies only on the units in the right-hand list when pressing the 'Submit Weekly Program' button

Weekly Program Instance

Weekday:

Hour:

On/Off:

Mode:

Tset:

Fan Speed:



Auto Fan:


Instances Colors: Cool Heat Auto Fan

Instance	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

- On the weekly program details pane select from the following:
 - **Select name for the new program**
Note: The name may include only letters (a-z), numbers (0-9) underscores and hyphens.
 - **Enable or Disable the program**
 - **Set dates for the program to be active (Start date and Stop date) - optional**

When selecting **Run WP between dates**  the date fields will appear:



Start Date	13/5/2007	
End Date	13/5/2007	

- Press the  icon to choose the dates.
- **Switch to another weekly program**
 - Choose the program from the list and press the **Switch** button.
- **Duplicate an existing program**
 - First switch to the program you want to duplicate and then press the **Duplicate** button.
 A duplicate of the program will be created with named "copy of..."

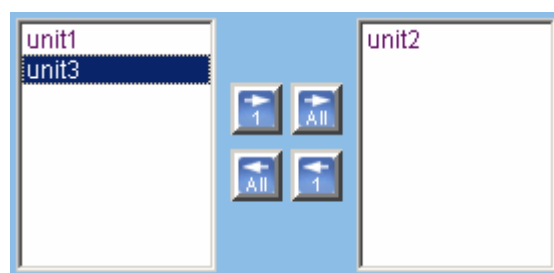
▪ **Creating the weekly program instances**



A program event must be combined from two parameters: units for the instance and actions that will take place when the time of the instance is reached. Only when the "Submit Weekly Program" button is pressed, the Weekly program is created. The weekly program that had been created will handle only the units that had been selected (shown in the right window) in the moment the "submit Weekly Program" button was pressed

Choose units for the instance

- On the "weekly program units" pane select "by units" in order to select individual units, or "by groups" in order to select program groups. The creation of program groups is made in the units settings window.
- Then, select units from the left window and move them to the right window using the "move one" () or "move all" () buttons.

Important: The instance will take place on all the units on the right window when the "Submit Weekly Program" button will be pressed.



You can remove units back to the left window using the  and  buttons.

Choose actions for an instance

- On the “weekly program instance” pane select the start time and the thermostat properties for the current instance. Note that two instances cannot have the same start time.



The image shows a configuration window titled "Weekly Program Instance". It contains several dropdown menus and buttons for setting up a weekly program instance. The settings shown are: Weekday: Monday, Hour: 01, Minute: 00, AM/PM: AM, On/Off: On, Mode: Cool, Tset: 20, Fan Speed: Low, and Auto Fan: On. A "Submit" button is at the bottom. Below the form, there is a legend: "Instances Colors" with four colored boxes: Cool (blue), Heat (red), Auto (green), and Fan (white).

- When finished, press the  button.
The instance will appear in the right place on the weekly program table pane.

Instance	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	01:00 AM On ,Cool,20° Low ,Auto Fan						
2							
3							
4							
5							
6							
7							
8							
9							
10							

The instance will include the programmable state of the outputs.

The color of the instance will change according to the selected mode:

Blue – cool

Red – heat

Green – Auto change-over


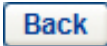
White – fan only and Off

- **Remove instance**


- Press an instance on the table and choose "Delete instance" from the pop-up window or "Exit menu" to cancel instance pick.







- **Save changes to the weekly program**

- When finished with the program, press the  button. All instances will be submitted to the units that are selected at the moment of the "Submit Weekly Program" button. Had the user switched units during the creation of the instances, the only relevant units for the Weekly program will be the units/group selected when the "Submit Weekly Program" button was pressed.
- Press the  button to return to the weekly program window.

4.3. Manage an existing weekly program for thermostats

- Press the  button next to the program you need to manage. The weekly program editor window will open with the details of the selected program.

Existing Weekly Programs:				
	WP Name	disabled	Start Date	End Date
	WP1	<input type="checkbox"/>	Mar 25 2008 12:00AM	May 31 2008 11:59PM
	WP2	<input type="checkbox"/>	Not Specified	Not Specified
	WP3	<input type="checkbox"/>	Not Specified	Not Specified
Existing Cards Weekly Programs:				
	WP Name	disabled	Start Date	End Date
	IO-WP1	<input type="checkbox"/>	Not Specified	Not Specified

- Make changes to the program and save it as the same way as in creation of a new program.

4.4. Delete an existing weekly program for thermostats

- From the options on the left, select both “units weekly program manager” and “Delete a weekly program”.



The screenshot shows a software interface with two main sections. The top section, titled "Weekly Program Type", contains the instruction "Select The Weekly Program Manager" and two radio button options: "Units Weekly Program Manager" (which is selected) and "Cards Weekly Program Manager". The bottom section, titled "Weekly Program Action", contains the instruction "Select the action you like to perform:" and two radio button options: "Add a new weekly program" and "Delete a weekly program" (which is selected). To the right of the "Delete a weekly program" option is a dropdown menu showing "WP1" and a "Delete" button.

- Select a weekly program to delete from the list and press .

4.5. Create a new weekly program for output cards

- From the options on the left, select both “Output cards weekly program manager” and “add new weekly program”.



The screenshot shows the same software interface as in 4.4, but with different selections. In the "Weekly Program Type" section, "Cards Weekly Program Manager" is now selected. In the "Weekly Program Action" section, "Add a new weekly program" is now selected.

The weekly program editor will open:



- On the weekly program details pane select from the following:
 - **Select name for the new program**
 - **Enable or Disable the program**
 - **Set dates for the program to be active (Start date and Stop date)**
 - When selecting **Run WP between dates** ☒ the date fields will appear:

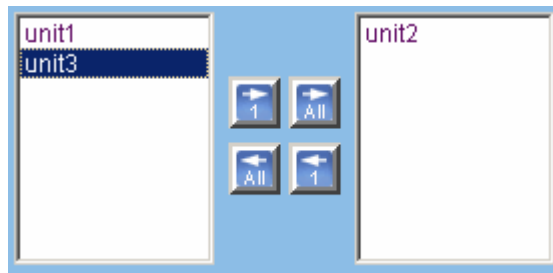
- Press the icon to choose the dates.
- **Switch to another weekly program**
 - Choose the program from the list and press the **Switch** button.
 - Duplicate an existing program. First switch to the program you want to duplicate and then press the **Duplicate** button. A duplicate of the program will be created with named "copy of..."



- **Creating the weekly program instances**

A program event must be combined from two parameters: units for the instance and actions that will take place when the time of the instance is reached.

Choose units for the instance


- On the “weekly program units” pane select units from the left window and move them to the right window using the “move one” () or “move all” () buttons. The instance will take place on all the units on the right window.



- You can remove units back to the left window using the  and  buttons.

- **Choosing actions for an instance**

- On the “weekly program instance” pane select the start time and the thermostat properties for the current instance. Note that two instances cannot have the same start time.



- When finished, press the **Submit** button.

The instance will appear in the right place on the weekly program table pane.

Instance	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1	01:00 AM On: 1 2 4 5 6 8 Off: 3 7						
2							
3							
4							
5							
6							
7							
8							
9							
10							

The instance will include the programmable state of the outputs.

- **Remove instance**

- Press an instance on the table and choose “Delete instance” from the pop-up window.



- **Save changes to the weekly program**

- When finished with the program, press the **Submit Weekly Program** button.
- Press the **Back** button to return to the weekly program window.

4.6. Manage an existing weekly program for output cards

- Press the **Select** button next to the program you need to manage.

The weekly program editor window will open with the details of the selected program.

Existing Weekly Programs:				
	WP Name	disabled	Start Date	End Date
Select	WP1	<input type="checkbox"/>	Mar 25 2008 12:00AM	May 31 2008 11:59PM
Select	WP2	<input type="checkbox"/>	Not Specified	Not Specified
Select	WP3	<input type="checkbox"/>	Not Specified	Not Specified
Existing Cards Weekly Programs:				
	WP Name	disabled	Start Date	End Date
Select	IO-WP1	<input type="checkbox"/>	Not Specified	Not Specified

- Make changes to the program and save it as the same way as in creation of a new program.

4.7. Delete an existing weekly program for output cards

- From the options on the left, select both “output cards weekly program manager” and “Delete a weekly program”.





The screenshot shows a software window with two main sections. The top section is titled "Weekly Program Type" and contains the instruction "Select The Weekly Program Manager". It has two radio button options: "Units Weekly Program Manager" (which is unselected) and "Cards Weekly Program Manager" (which is selected). The bottom section is titled "Weekly Program Action" and contains the instruction "Select the action you like to perform:". It has two radio button options: "Add a new weekly program" (unselected) and "Delete a weekly program" (selected). To the right of the "Delete a weekly program" option is a dropdown menu showing "IO-WP1" and a "Delete" button.

- Select a weekly program to delete from the list and press .

5. Special event

5.1. Open the special event window

- Press the  button to open the special event window.
Maxinet allows you to define multiple special events, activate or deactivate each of them.



The screenshot shows the 'Special Event' window. On the left, there are two sections: 'Special Event Type' with radio buttons for 'Units special event Manager' (selected) and 'Cards special event Manager'; and 'Special Event Action' with radio buttons for 'Add a new special event' and 'Delete a special event'. On the right, under the heading 'Existing Units Special Events:', there is a table with columns: SE Name, Activate Time, Status, Mode, and Tset. The table contains two rows: SE1 and SE2, both with an activate time of 3/26/2008 1:00:00 AM and 3/28/2008 1:00:00 AM respectively, both with a status of 'On', mode of 'Cool', and Tset of 20 and 22 respectively. Each row has a 'Select' button to its left.

	SE Name	Activate Time	Status	Mode	Tset
Select	SE1	3/26/2008 1:00:00 AM	On	Cool	20
Select	SE2	3/28/2008 1:00:00 AM	On	Cool	22

The 'Special Event' is similar to the 'weekly program' but it lets you create one specific event that will override the other settings of the unit (weekly programs, user commands etc.)

Each special event must have start time. The stop time is optional.

A number of special events can be set separately.

Important: MaxiNet will not allow any contradiction between different special events.

5.2. Create a new special event for thermostats

- From the options on the left, select both “Units special event Manager” and “add a new special event”.



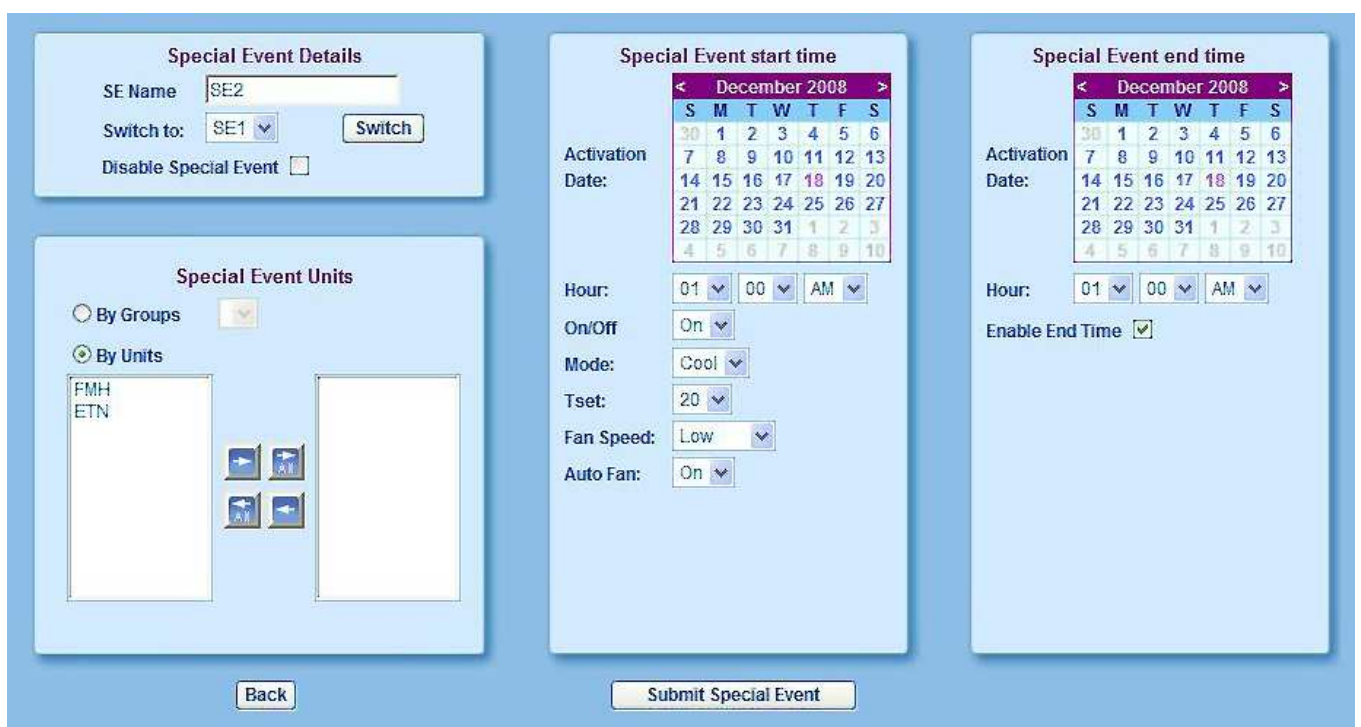
Special Event Type
Select The special event Manager

☒ Units special event Manager
☐ Cards special event Manager

Special Event Action
Select the action you like to perform:

☒ Add a new special event
☐ Delete a special event

The special event editor will open:



Special Event Details

SE Name:

Switch to:

Disable Special Event ☐

Special Event Units

☐ By Groups
☒ By Units

FMH
ETN

Special Event start time

Activation Date:

< December 2008 >						
S	M	T	W	T	F	S
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

Hour:

On/Off:

Mode:

Tset:

Fan Speed:

Auto Fan:

Special Event end time


Activation Date:

< December 2008 >						
S	M	T	W	T	F	S
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

Hour:

Enable End Time ☒



- On the special event details pane select from the following:
 - **Select name for the new special event**
 - **Enable or Disable the special event**
 - **Switch to another special event**

Choose an existing special event from the list and press the  button.

- **Creating the special event**


The event must be combined from two parameters: units for the event and actions that will take place when the time of the event time is reached.

- **Choose units for the special event**

- On the “special event units” pane select “by units” in order to select individual units, or “by groups” in order to select program groups. The creation of program groups is made in the units settings window.
- Then, select units from the left window and move them to the right window using the “move one” () or “move all” () buttons.

Important: The event will take place on all the units on the right window.



- You can remove units back to the left window using the  and  buttons.

- **Choose actions for the special event**

- On the “event” pane select the start time and the thermostat properties for the current event.

Special Event start time

Activation Date:

< April 2008 >						
S	M	T	W	T	F	S
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10

Hour: 01 00 AM

On/Off: On

Mode: Cool

Tset: 20

Fan Speed: Low

Auto Fan: On

Special Event end time

Activation Date:

< April 2008 >						
S	M	T	W	T	F	S
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10

Hour: 01 00 AM

Enable End Time: ☒

- On the right pane select the stop time (optional) for the event. If the event doesn't have stop time uncheck the “enable end time” box.

- **Save changes to the special event**

- When finished with the program, press the **Submit Special Event** button.
- Press the **Back** button to return to the weekly program window.

5.3. Manage an existing special event

- Press the **Select** button next to the special event you need to manage.
The special event editor window will open with the details of the selected program.

Existing Units Special Events:					
	SE Name	Activate Time	Status	Mode	Tset
Select	SE1	3/26/2008 1:00:00 AM	On	Cool	20
Select	SE2	3/28/2008 1:00:00 AM	On	Cool	22

- Make changes to the special event and save it the same way as in creation of a new special event.

5.4. Delete an existing special event for thermostats

- From the options on the left, select both “units special event manager” and “Delete a special event” - a drop down menu will appear.



The image shows a dialog box titled "Special Event Action". Inside, it says "Select the action you like to perform:". There are two radio buttons: "Add a new special event" (unselected) and "Delete a special event" (selected). To the right of the "Delete a special event" option is a dropdown menu currently showing "SE1". Below the dropdown menu, the options "SE1" and "SE2" are visible. To the right of the dropdown menu is a "Delete" button.

- Select a special event to delete from the list and press **Delete**.

5.5. Create a new special event for input/output cards

- From the options on the left, select both “Card special event Manager” and “Add a new special event”.



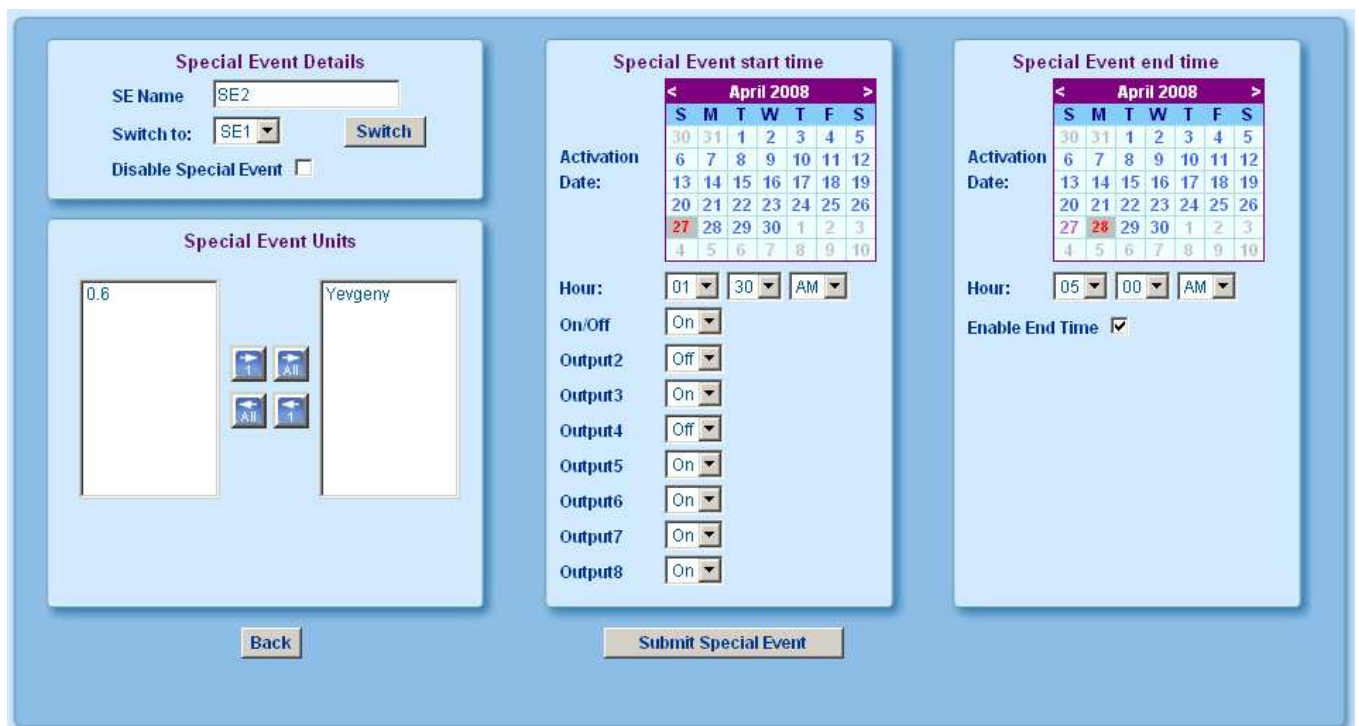
Special Event Type
Select The special event Manager

☐ Units special event Manager
☒ Cards special event Manager

Special Event Action
Select the action you like to perform:

☒ Add a new special event
☐ Delete a special event

The special event editor will open.



Special Event Details

SE Name:
Switch to:
Disable Special Event ☐

Special Event Units

Special Event start time

Activation Date:

April 2008						
S	M	T	W	T	F	S
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10


Hour:
On/Off:
Output2:
Output3:
Output4:
Output5:
Output6:
Output7:
Output8:



Special Event end time

Activation Date:

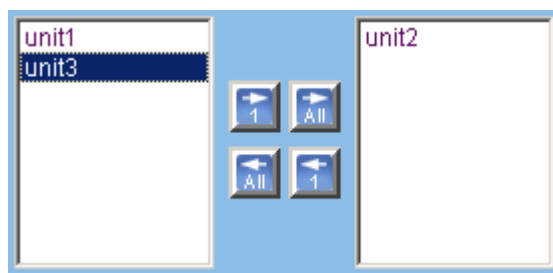
April 2008						
S	M	T	W	T	F	S
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10



Hour:
Enable End Time ☒

- On the special event details pane select from the following:
 - **Select name for the new special event**
 - **Enable or Disable the event**
 - **Switch to another special event**
 - Choose an existing special event from the list and press the  button.
- **Creating the special event**

The event must be combined from two parameters: units for the event and actions that will take place when the time of the event time is reached.
- **Choose units for the event**
 - On the “special event units” pane select units from the left window and move them to the right window using the “move one” () or “move all” () buttons.

Important: The event will take place on all the units on the right window.



- You can remove units back to the left window using the  and  buttons.

- **Choose actions for the event**

- On the “event” pane select the start time and the thermostat properties for the current event.

Special Event start time

Activation Date:

April 2008						
S	M	T	W	T	F	S
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10

Hour: 01 : 30 AM

On/Off: On

Output2: Off

Output3: On

Output4: Off

Output5: On

Output6: On

Output7: On

Output8: On

Special Event end time

Activation Date:

April 2008						
S	M	T	W	T	F	S
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10

Hour: 05 : 00 AM

Enable End Time ☒

- On the right pane select the stop time (optional) for the event. If the event doesn't have stop time uncheck the “enable end time” box.

- **Save changes to the special event**

- When finished with the program, press the **Submit Special Event** button.
- Press the **Back** button to return to the weekly program window.

5.6. Manage an existing special event for input/output cards

- Press the **Select** button next to the special event you need to manage.
The special event editor window will open with the details of the selected program.

Existing Cards Special Events:			
	SE Name	Activate Time	disabled
Select	SE2	4/27/2008 6:30:00 PM	<input type="checkbox"/>
Select	SE3	4/28/2008 1:00:00 AM	<input type="checkbox"/>

- Make changes to the special event and save it the same way as in creation of a new special event.

5.7. Delete an existing special event for input/output cards

- From the options on the left, select both “cards special event manager” and “Delete a special event” - a drop down menu will appear.

Special Event Action
Select the action you like to perform:

☐ Add a new special event

☒ Delete a special event

SE1 **Delete**


SE1

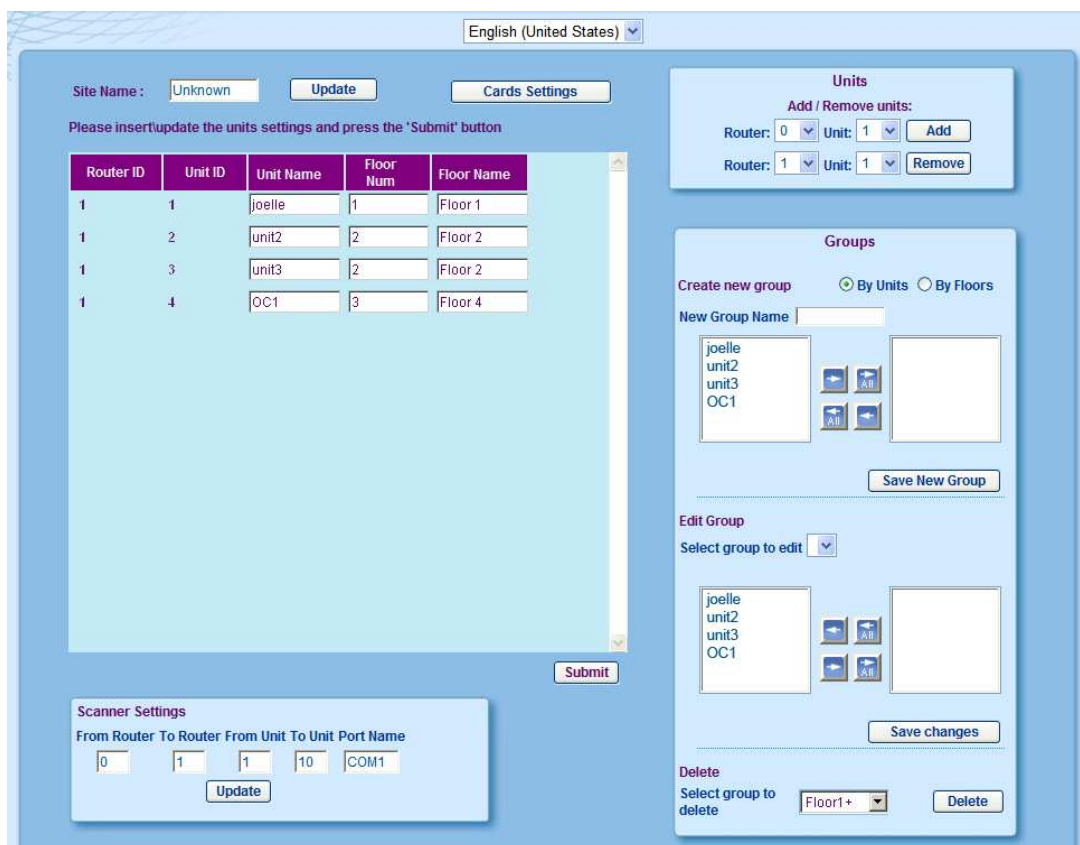
SE2

- Select a special event to delete from the list and press **Delete**.

6. Settings

6.1. Open the units settings window

- Press the  button to open the Units Settings window.



The screenshot shows the 'Units Settings' window. At the top, there is a language dropdown set to 'English (United States)'. Below this, the 'Site Name' is 'Unknown' with an 'Update' button and a 'Cards Settings' button. A message states: 'Please insert/update the units settings and press the 'Submit' button'. The main area contains a table with the following data:

Router ID	Unit ID	Unit Name	Floor Num	Floor Name
1	1	joelle	1	Floor 1
1	2	unit2	2	Floor 2
1	3	unit3	2	Floor 2
1	4	OC1	3	Floor 4

Below the table is a 'Submit' button. To the right, there are sections for 'Units', 'Groups', and 'Scanner Settings'. The 'Units' section has 'Add / Remove units' with Router and Unit dropdowns and 'Add'/'Remove' buttons. The 'Groups' section has 'Create new group' with 'By Units' and 'By Floors' radio buttons, a 'New Group Name' field, a list of units, and a 'Save New Group' button. The 'Edit Group' section has a 'Select group to edit' dropdown, a list of units, and a 'Save changes' button. The 'Delete' section has a 'Select group to delete' dropdown and a 'Delete' button. The 'Scanner Settings' section has fields for 'From Router', 'To Router', 'From Unit', 'To Unit', and 'Port Name', with an 'Update' button.

The Units Settings window allows you to:

- Select the software interface language
- Specify the name of the site
- Specify units names and floors names and the location of units on floors.
- Change I/O cards settings configuration
- Define the scanner settings
- Add units
- Remove units
- Create and manage groups of units that can be used in weekly program and special events settings.

6.2. Important: When making a change in the Scanner Settings or when Adding/Removing Units, the Scanner must be shutdown. After the Update of the change, the Scanner can be re-started.

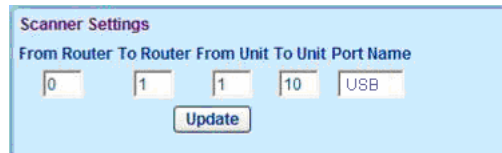
Scanner settings



Scanner Settings

From Router	To Router	From Unit	To Unit	Port Name
0	1	1	10	COM1

Update



Scanner Settings

From Router	To Router	From Unit	To Unit	Port Name
0	1	1	10	USB

Update

The SCANNER of Maxinet is a program that runs in the background and constantly scans the units connected to the network.

The parameters of the scan can vary from one system to another and depend on the number of units and routers in the network.

Change the scanner settings parameters according to the existing network.


Fill in the address range for the routers and the address range for the units.

Note: The range for the routers and units can be larger than the actual addresses. Only the units that the scanner will find will be available in Maxinet.

The Port Name is the computer's communication port name to which the units are connected.

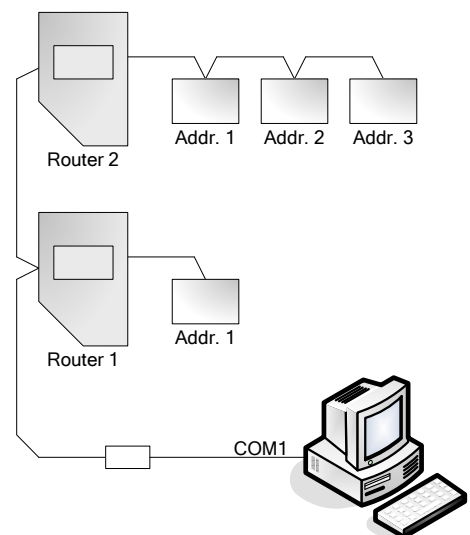
If you are using a Meitav-tec USB/RS485 adaptor – type "USB" under the Port Name field.

If you are using a Meitav-tec COM adaptor, please type in the COM port name in which the adaptor is connected to. (most commonly used port names are COM1 or COM2).

Press the  Button to save the changes. After changing the values for the scanner, restart the Scanner program.

Example:

Network with two routers, three units with addresses 1, 2, 3 connected to router 2 and one unit with address 1 connected to router 1. The units are connected to the computer through COM1.



The values for the scan can be:

- From router 1 to router 2 (or higher)
- From unit 1 to unit 3 (or higher)
- Port name: COM1

6.3. The units window – left pane

Router ID	Unit ID	Unit Name	Floor Num	Floor Name
1	1	joelle	1	Floor 1
1	2	unit2	2	Floor 2
1	3	unit3	2	Floor 2
1	4	OC1	3	Floor 4

The units' window on the left contains a list of all the units that were already added to the system. Each of these units has its own router ID and unit ID which are physically defined in the network. The unit ID is actually the MAC address of the unit.

Two units cannot have the same combination of router ID and Unit ID which are unique identifiers of the unit in the network.

The other identifiers of the units can be changed, and used for describing the unit within Maxinet.

- Unit name – the name that appears on the unit icon in the main display and in all units' lists.
- Floor Num – defines the order of the floors in the main display window. The lower the number, the lower the floor on the screen.
- Floor name – the name of the floor will appear on the right in the main display window. It can also be used when creating groups of units by floors.

Important: The floor number and the floor name must match. Same floor cannot have different names or numbers.

6.4. Cards Settings

The Maxinet system supports the use of the Input/Output card CTU1601.

The I/O card enables to control and monitor 8 digital inputs, 8 Digital outputs and 3 temperature readings.

Press the  button to enter the Cards Settings screen.

In the Cards Settings screen, the user can set:

- Inputs and Outputs names
- Define if Input/Output is connected or disconnected
- Set the Inputs alarms directions
- Bind between the Input alarm and the related Output status
- Name the Temperature sensors

Select The Card to manage I/O card ▾

Outputs details

Num	Name	Connected
1	Chiller 1	<input checked="" type="checkbox"/>
2	Chiller 2	<input checked="" type="checkbox"/>
3	Boiler 1	<input checked="" type="checkbox"/>
4	Back Light	<input checked="" type="checkbox"/>
5		<input type="checkbox"/>
6		<input type="checkbox"/>
7	Pool Pump	<input checked="" type="checkbox"/>
8	pool filtr	<input checked="" type="checkbox"/>

Inputs details

Num	Name	Connected	Alarm	Direction	Bind
1	Chiller 1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dual ▾	<input checked="" type="checkbox"/>
2	Chiller 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Off ▾	<input checked="" type="checkbox"/>
3	Boiler1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Off ▾	<input type="checkbox"/>
4	flow sign	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Off ▾	<input type="checkbox"/>
5		<input type="checkbox"/>	<input type="checkbox"/>	Off ▾	<input type="checkbox"/>
6		<input type="checkbox"/>	<input type="checkbox"/>	Off ▾	<input type="checkbox"/>
7	Coffee mac	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Off ▾	<input type="checkbox"/>
8	Pool Pump	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Off ▾	<input type="checkbox"/>
9	Outside T.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	On ▾	<input type="checkbox"/>
10	water Pool	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Off ▾	<input type="checkbox"/>
11	Temp roof	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Off ▾	<input type="checkbox"/>

After changing the inputs and outputs names, alarms and bindings, press the **Update** button.

Press the **Back** button to return to the main Settings window.

Alarms – All inputs can be set to pop-up the alarm window in the main screen and to color the I/O main display in red. By marking the tick-box of the alarm next to the input, the user activates the alarm. The direction of the input may be selected On, Off or Dual for both directions.

For example, if alarm is selected and the direction is On, each time the input will be closed (= On indication from the input), the alarm will be shown.

Bind – The "Bind" tick-box logically connects between the Input alarm and the output status.

By marking the tick-box, the input alarm will be linked to the Output status. If the Output status shows the same status as the Input, the alarm will not pop-up even if the Input position requires alarm.

For example: Output 1 controls the Chiller. Input 1 displays the chiller status by a dry-contact from the chiller. The Maxinet is set to alarm when the chiller is in Off position (may represent a problem in the chiller). If the Output 1 set to Off position, either by the user or by Weekly Program instance, there is no need to activate the alarm since the chiller should be in Off position.


Important: the binding option is working between Inputs and Outputs of the same number. Input 1 may be linked only to Output 1 (if the "bind" option is selected). Input 2 may be linked only to Output 2 and so on.

6.5. Add/Remove units from the system – right pane

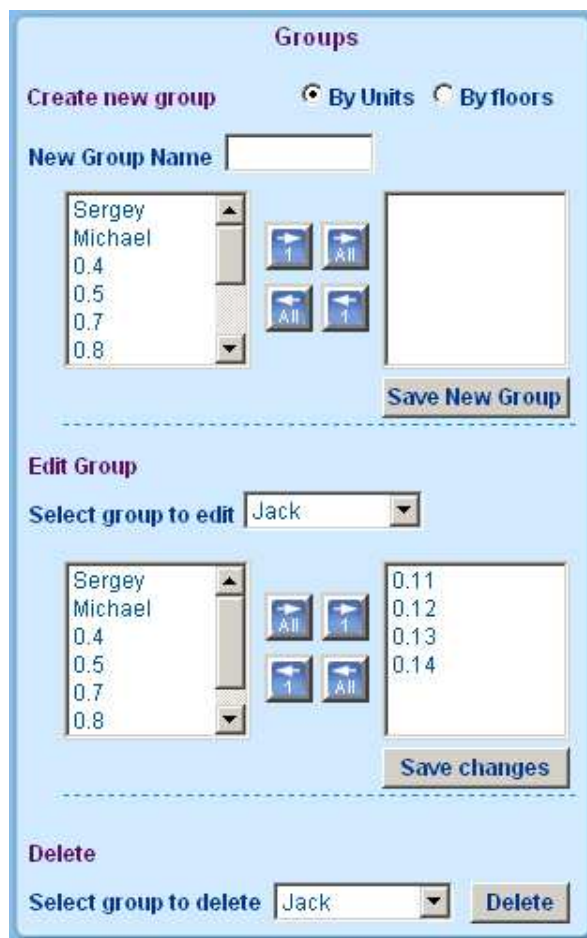


- Add new units to the software by filling the router number and the unit number (MAC address). The unit number must be in the range of the scanner (see 5.2) and the router must exist.

Be advised that these parameters must fit an existing unit. The software will allow you to add a unit that may not exist but it will not be recognized by the scanner. Therefore, on the main display window, this unit will appear with yellow surrounding rectangle indicating a communication error with the unit.





- Remove existing units from the software by selecting a router number and a unit number (MAC address) from the list.
- Important – before you add or remove units, make sure you shutdown the Scanner using the  button on the Scanner application. When finished, turn the Scanner ON again.

6.6. Units Groups – right pane




- Create units groups to simplify the selection of units in weekly program and special events. Instead of choosing units one by one, create groups of units and handle them together.





6.6.1. Create groups by units

- Select units from the left window and move them to the right window using the “move one” () or “move all” () buttons.
- You can remove units back to the left window using the  and  buttons.



- When finished organizing the group, type a name for the new group and press the  button.

6.6.2. Create groups by floors

- Select floors from the left window and move them to the right window using the “move one” () or “move all” () buttons.
- You can remove floors back to the left window using the  and  buttons.



6.6.3. Manage groups

- Manage an existing group. Add units to the group or remove units from the group. When the group was created by floors, when managed, the units of the floors will be displayed and can be removed individually.

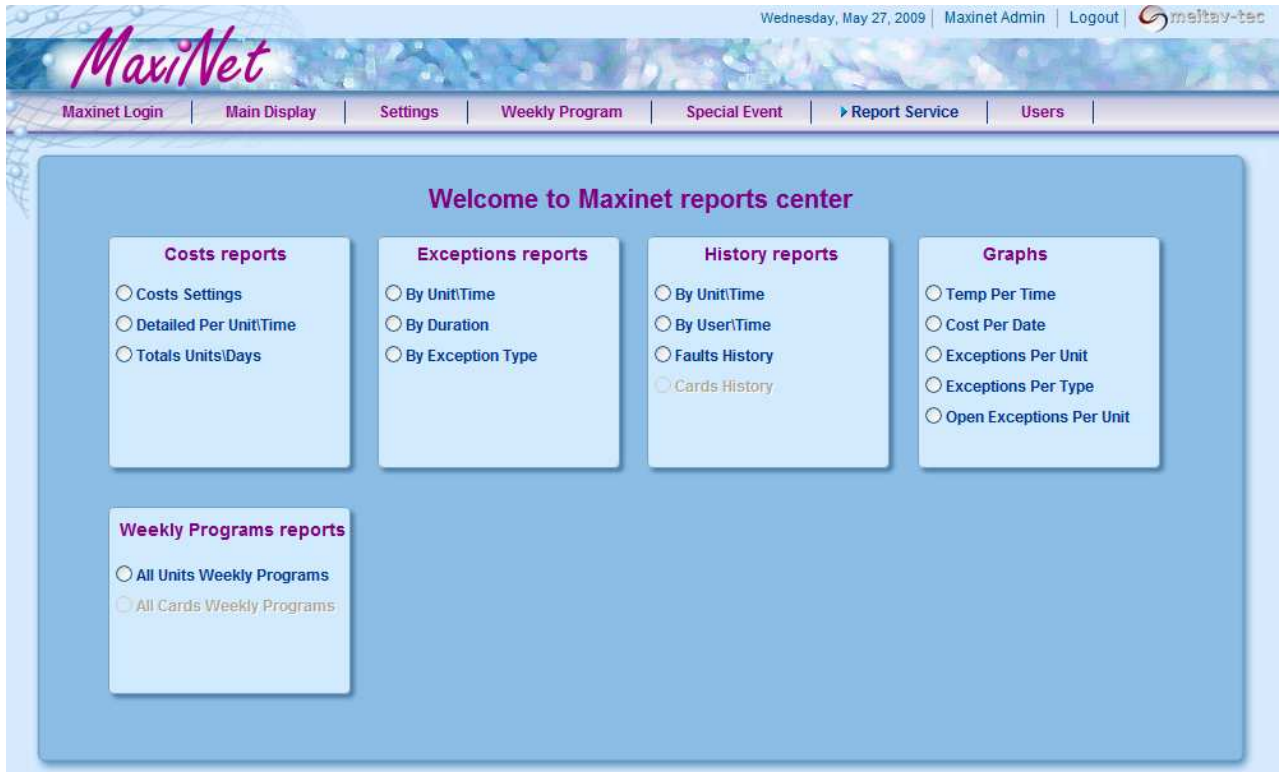
6.6.4. Remove groups

- Select a group and remove it by pressing the  button.

7. Reports

7.1. Open the reports window

- Press the  button to open Maxinet reports center.



Types of reports


There exist 5 types of reports:

- Costs reports - Detailed reports for unit's consumption over time.
- Exceptions reports – Exceptions per units (over heat, over cool, communication errors, etc.) over time.
- History reports – Detailed reports showing all changes to the units.
- Graphs – Visual printable graphs for temperature, costs and exceptions.
- Weekly Program report – All the Weekly Programs details in one table.

Dates / Unit names

Some of the reports require further information, such as start date, stop date, unit name etc.

When such information is required, a popup window will appear.

Press the  button to open the calendar and select dates.

Export to Excel or PDF files

Select a unit for the report

Base

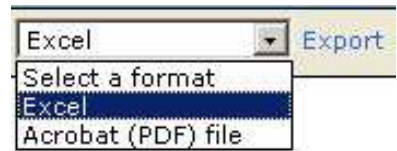
Select time range

Start Date
8/13/2007

End Date
8/14/2007

Close Show report

All the reports can be exported to EXCEL or PDF files. On the top side of the report page select the format and press the [export](#) link. Follow the instructions on the screen.



7.1.1. Costs reports

The costs per output (by kW) must be filled before creating the costs reports.

- Select “Costs Settings”, The following screen will appear:

Thursday, October 23, 2008 | Maxinet Admin | Logout | meitav-tec

Maxinet Login | Main Display | Settings | Weekly Program | Special Event | Report Service | Users

Power rates

Please insert your power rates details

Rate Num	Start Time	End Time	Price per KW (\$)
Rate 1	06:30	08:00	1
Rate 2	08:00	16:30	1.75
Rate 3	16:30	22:00	1.6
Rate 4	22:00	06:30	0.68

Submit

Units Consumption

Select Floor: All

1.1
1.2
1.3

Notice that cards are not updated in multi selection state

Output in use	Output name	Kilowatt per output
<input checked="" type="checkbox"/>	Cool1	2.9
<input checked="" type="checkbox"/>	Cool2	2.9
<input checked="" type="checkbox"/>	Cool3	2.9
<input checked="" type="checkbox"/>	Heat1	1
<input checked="" type="checkbox"/>	Heat2	1
<input checked="" type="checkbox"/>	Heat3	1
<input checked="" type="checkbox"/>	Heat_Pump	0.02
<input checked="" type="checkbox"/>	Swing	0.001
<input checked="" type="checkbox"/>	Low Speed	0.45
<input checked="" type="checkbox"/>	Medium Speed	0.6
<input checked="" type="checkbox"/>	High Speed	0.75

Data was submitted successfully

Submit

Cost Factor


Please update your site cost factor: 1.15

Update Factor

Back

- Fill in the required parameters: power rates, cost factor and outputs consumption. The consumption of the outputs can be done for each unit separately or for all the units at once.
Note that when filling the power rates for all the units at once, the values will be updated for each unit separately and can be changed further on. The values will not be visible the next time this screen is displayed. They will be visible when selecting a particular unit.
- When finished, press the Submit/Update button of category that has been modified. Press the Back button to return to the Reports Service screen.
- Now you can chose between the following reports:

Detailed per unit\time

Thursday, October 23, 2008 | Maxinet Admin | Logout | 

Maxinet

Maxinet Login | Main Display | Settings | Weekly Program | Special Event | **Report Service** | Users

1 of 1 | 100% | Find | Next | Select a format | Export

Detailed Cost Report

From Date: 8/13/2007 12:00:00 AM To Date: 8/13/2007 11:59:59 PM


Unit Name: Base

Checked Time	Cool1	Cool2	Cool3	Heat1	Heat2	Heat3	Heat Pump	Swing	Fan
8/13/2007 6:00:15 AM	On	Off	Off	Off	Off	Off	Off	Off	Low
8/13/2007 6:57:08 AM	On	Off	Off	Off	Off	Off	Off	Off	Low
8/13/2007 6:34:47 PM	On	Off	Off	Off	Off	Off	Off	Off	Medium
8/13/2007 7:00:24 PM	Off	Off	Off	Off	Off	Off	Off	Off	Off
Total Work Time	13:00:09	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	00:00:00	13:00:09
Total Work Cost *	20.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.62

* Current day cost not included

Back To Menu

Totals units\days

Thursday, October 23, 2008 | Maxinet Admin | Logout | 

Maxinet

Maxinet Login | Main Display | Settings | Weekly Program | Special Event | **Report Service** | Users

1 of 1 | 100% | Find | Next | Select a format | Export

Total costs report

From Date: 7/13/2007 12:00:00 AM To Date: 8/13/2007 11:59:59 PM

Unit Name: Base

Date	Total cost	Factored Cost
08/08/2007	0.00	0.00
09/08/2007	6.52	7.50
10/08/2007	41.33	47.53
11/08/2007	0.00	0.00
12/08/2007	21.67	24.93
13/08/2007	41.34	47.54
Period unit total cost	110.86	127.50

* Current day cost not included

Back To Menu

7.1.2. Exceptions reports

By unit\time

The screenshot shows the MaxiNet web interface. The top navigation bar includes links for Maxinet Login, Main Display, Settings, Weekly Program, Special Event, Report Service (highlighted), and Users. The date is Thursday, October 23, 2008, and the user is Maxinet Admin. The report title is 'Exception By Unit Time Report'. The date range is From Date: 7/1/2007 12:00:00 AM to To Date: 8/14/2007 11:59:59 PM. The unit name is 'Base'. The report displays a table with 4 columns: Exception Type, Start Time, End Time, and Duration(Minutes). The table contains 5 rows of data, all for 'Over Heat' exceptions.

Exception Type	Start Time	End Time	Duration(Minutes)
Over Heat	09/08/2007 09:15:26	10/08/2007 06:59:30	584
Over Heat	10/08/2007 04:19:07	12/08/2007 07:04:04	2325
Over Heat	12/08/2007 08:16:59	13/08/2007 07:00:52	644
Over Heat	13/08/2007 08:32:08	14/08/2007 07:03:03	631
Exception Type	Start Time	End Time	Duration(Minutes)

Back To Menu

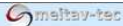
By duration

The screenshot shows the MaxiNet web interface. The top navigation bar includes links for Maxinet Login, Main Display, Settings, Weekly Program, Special Event, Report Service (highlighted), and Users. The date is Thursday, October 23, 2008, and the user is Maxinet Admin. The report title is 'Exception by duration report'. The date range is From date: 7/1/2007 12:00:00 AM to To Date: 8/14/2007 11:59:59 PM. The report displays a table with 5 columns: Unit Name, Exception Type, Start Time, End Time, and Duration(minutes). The table contains 12 rows of data, all for 'Over Heat' exceptions.


Unit Name	Exception Type	Start Time	End Time	Duration(minutes)
Lobby	Over Heat	8/10/2007 4:06:16 PM	8/12/2007 7:05:27 AM	2339
Base	Over Heat	8/10/2007 4:19:07 PM	8/12/2007 7:04:04 AM	2325
bar	Over Heat	8/10/2007 5:03:46 PM	8/12/2007 7:03:42 AM	2280
202	Over Heat	8/10/2007 5:24:22 PM	8/12/2007 7:05:21 AM	2261
Restaurant	Over Heat	8/10/2007 5:51:50 PM	8/12/2007 7:02:21 AM	2231
101	Over Heat	8/10/2007 6:12:57 PM	8/12/2007 7:02:12 AM	2210
102	Over Heat	8/10/2007 6:12:36 PM	8/12/2007 7:02:14 AM	2210
103	Over Heat	8/11/2007 8:39:24 AM	8/12/2007 7:00:58 AM	1341
201	Over Heat	8/11/2007 9:14:02 AM	8/12/2007 7:01:12 AM	1307
Lobby	Over Heat	8/12/2007 8:10:12 PM	8/13/2007 7:01:34 AM	651

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Faults report

Thursday, October 23, 2008 | Maxinet Admin | Logout | 

Maxinet Login | Main Display | Settings | Weekly Program | Special Event | **Report Service** | Users

100% | Select a format | Export 


Faults Report

From date: 7/1/2007 12:00:00 AM To date: 8/14/2007 11:59:59 PM
Unit Name: Joe
Router ID: 0 Unit ID: 4


Checked Time	Fault1	Fault2	Fault3	Fault4	Fault5	Fault6	Fault7	Fault8	Comm Error
05/07/2007 03:32:28	True	True	False	False	False	False	False	False	False
08/07/2007 01:11:39	True	True	False	False	False	False	False	False	False
08/07/2007 01:18:19	True	True	False	False	False	False	False	False	False
08/07/2007 01:21:42	True	True	False	False	False	False	True	False	False
08/07/2007 01:25:08	True	True	False	False	False	False	True	False	False
08/07/2007 01:25:19	True	True	False	False	False	False	False	False	False
08/07/2007 01:31:32	True	True	False	False	False	False	False	False	False
08/07/2007 01:34:58	True	True	False	False	False	False	False	False	False
08/07/2007 01:35:13	True	True	False	False	False	False	True	False	False
08/07/2007 01:44:42	True	True	False	False	False	False	False	False	False
08/07/2007 01:54:03	True	True	False	False	False	False	False	False	False

Back To Menu

By exception type

Thursday, October 23, 2008 | Maxinet Admin | Logout | 

Maxinet Login | Main Display | Settings | Weekly Program | Special Event | **Report Service** | Users

1 of 1 | 100% | Find | Next | Select a format | Export 

Exception by exception type report

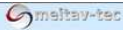
From date: 7/1/2007 12:00:00 AM To Date: 8/14/2007 11:59:59 PM
Exception Type : Over Heat

Unit Name	Start Time	End Time	Duration(minutes)
Base	8/9/2007 9:15:26 PM	8/10/2007 6:59:30 AM	584
Base	8/10/2007 4:19:07 PM	8/12/2007 7:04:04 AM	2325
Base	8/12/2007 8:16:59 PM	8/13/2007 7:00:52 AM	644
Base	8/13/2007 8:32:08 PM	8/14/2007 7:03:03 AM	631
Restaurant	8/9/2007 1:48:58 PM	8/9/2007 3:06:31 PM	78
Restaurant	8/9/2007 1:50:23 PM	8/9/2007 3:06:31 PM	76
Restaurant	8/9/2007 2:32:28 PM	8/9/2007 3:06:31 PM	34
Restaurant	8/9/2007 3:31:32 PM	8/9/2007 3:49:54 PM	18
Restaurant	8/10/2007 5:51:50 PM	8/12/2007 7:02:21 AM	2231

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7.1.3. History reports

By unit\time

Thursday, October 23, 2008 | Maxinet Admin | Logout | 

MaxiNet

Maxinet Login | Main Display | Settings | Weekly Program | Special Event | **Report Service** | Users


History By Unit\Time Report

From Date: 7/1/2007 12:00:00 AM
To Date: 8/14/2007 11:59:59 PM
Unit Name: Base

Checked Time	Tset	Ambient	Status	Mode	Fan Speed	Auto Fan
8/9/2007 1:48:58 PM	23	27	On	Heat	Low	True
8/9/2007 1:50:21 PM	23	27	On	Heat	Low	True
8/9/2007 2:32:23 PM	23	27	On	Heat	Low	True
8/9/2007 2:36:11 PM	23	26	On	Heat	Low	True
8/9/2007 2:38:53 PM	23	25	On	Heat	Low	True
8/9/2007 2:46:39 PM	23	24	On	Heat	Low	True
8/9/2007 3:10:41 PM	22	24	On	Fan	Low	False
8/9/2007 3:20:27 PM	20	24	On	Fan	Low	False

Back To Menu

By user\time

Thursday, October 23, 2008 | Maxinet Admin | Logout | 

MaxiNet

Maxinet Login | Main Display | Settings | Weekly Program | Special Event | **Report Service** | Users

History By User\Time Report

From Date: 8/13/2007 12:00:00 AM To Date: 8/14/2007 11:59:59 PM
User Name: System
Unit Name: 101

Change Time	Status	Mode	Fan Speed	Auto Fan	Tset
8/13/2007 6:00:20 AM	On	Cool	Low	False	24
8/13/2007 10:24:06 AM	On	Cool	Low	False	22
8/13/2007 10:30:05 AM	On	Cool	Medium	False	22
8/13/2007 6:30:28 PM	On	Cool	Medium	False	21
8/13/2007 7:00:15 PM	Off	Cool	Medium	False	21
8/14/2007 6:00:20 AM	On	Cool	Low	False	24
8/13/2007 4:09:20 PM	On	Cool	Medium	False	21

Back To Menu

Cards history

Thursday, October 23, 2008
Maxinet Admin
Logout
meitav-tec

Maxinet Login
Main Display
Settings
Weekly Program
Special Event
Report Service
Users

1 of 1
100%
Find | Next
Select a format
Export

History By Unit\Time Report

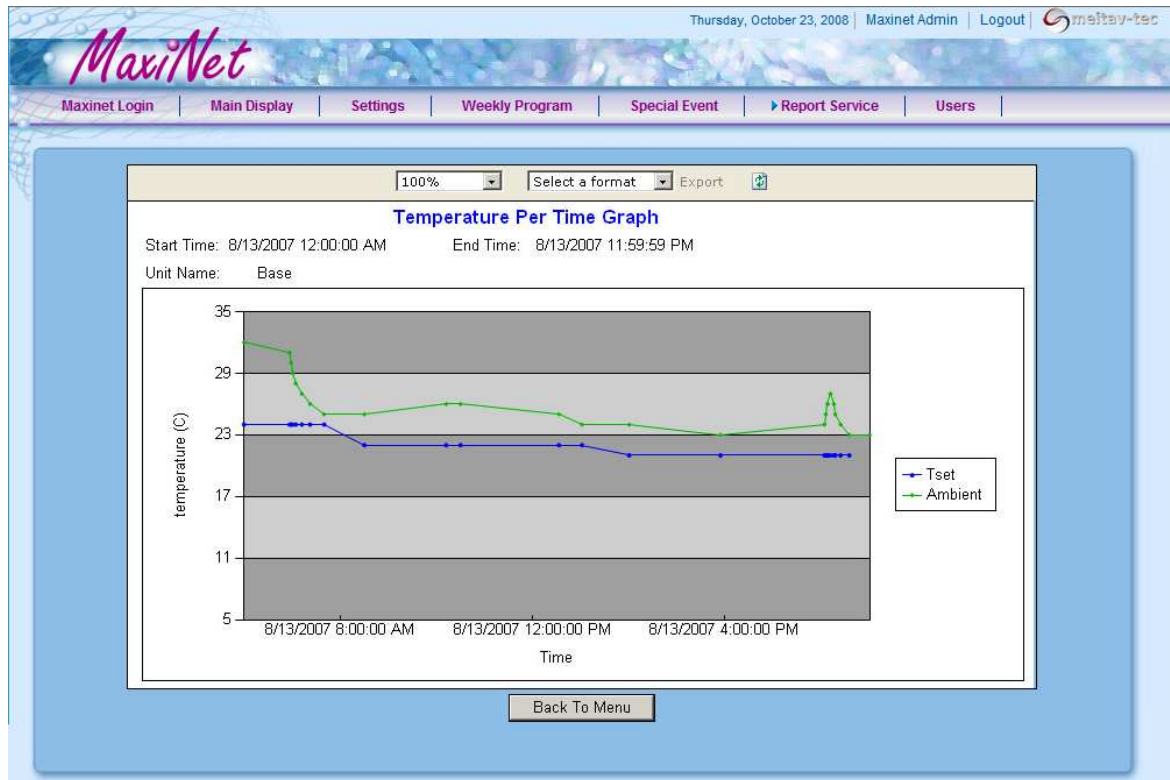
From Date: 7/1/2007 12:00:00 AM
To Date: 8/14/2007 11:59:59 PM
Unit Name: Roof

Checked Time	O1	O2	O3	O4	O5	O6	O7	O8	I1	I2	I3	I4	I5	I6	I7	I8	Ambient
8/9/2007 1:50:34 PM	On	Off	On	Off	Off	Off	Off	Off	Off	Off	On	Off	On	Off	Off	Off	7
8/9/2007 2:32:58 PM	On	Off	On	Off	Off	Off	Off	Off	Off	Off	On	Off	On	Off	Off	Off	7
8/9/2007 3:17:39 PM	On	On	On	Off	Off	Off	On	Off	Off	Off	On	Off	On	Off	Off	Off	7
8/12/2007 9:09:14 AM	On	Off	Off	Off	Off	Off	Off	On	Off	Off	On	Off	On	Off	Off	Off	7
8/12/2007 9:47:29 AM	Off	On	On	Off	Off	Off	On	Off	Off	Off	On	Off	On	Off	Off	Off	7
8/14/2007 11:40:07 AM	On	Off	On	Off	Off	Off	On	Off	Off	Off	On	Off	On	Off	Off	Off	7
Checked Time	O1	O2	O3	O4	O5	O6	O7	O8	I1	I2	I3	I4	I5	I6	I7	I8	Ambient

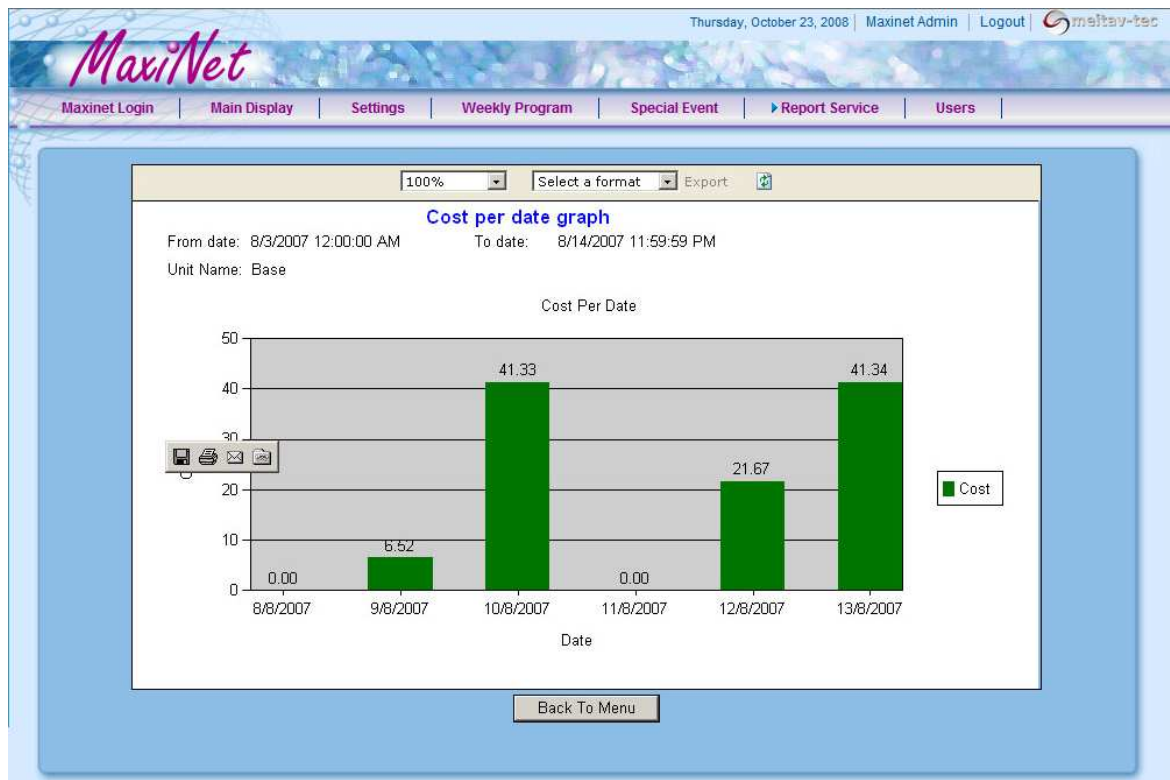
Back To Menu

7.1.4. Graphs

Temperature per time



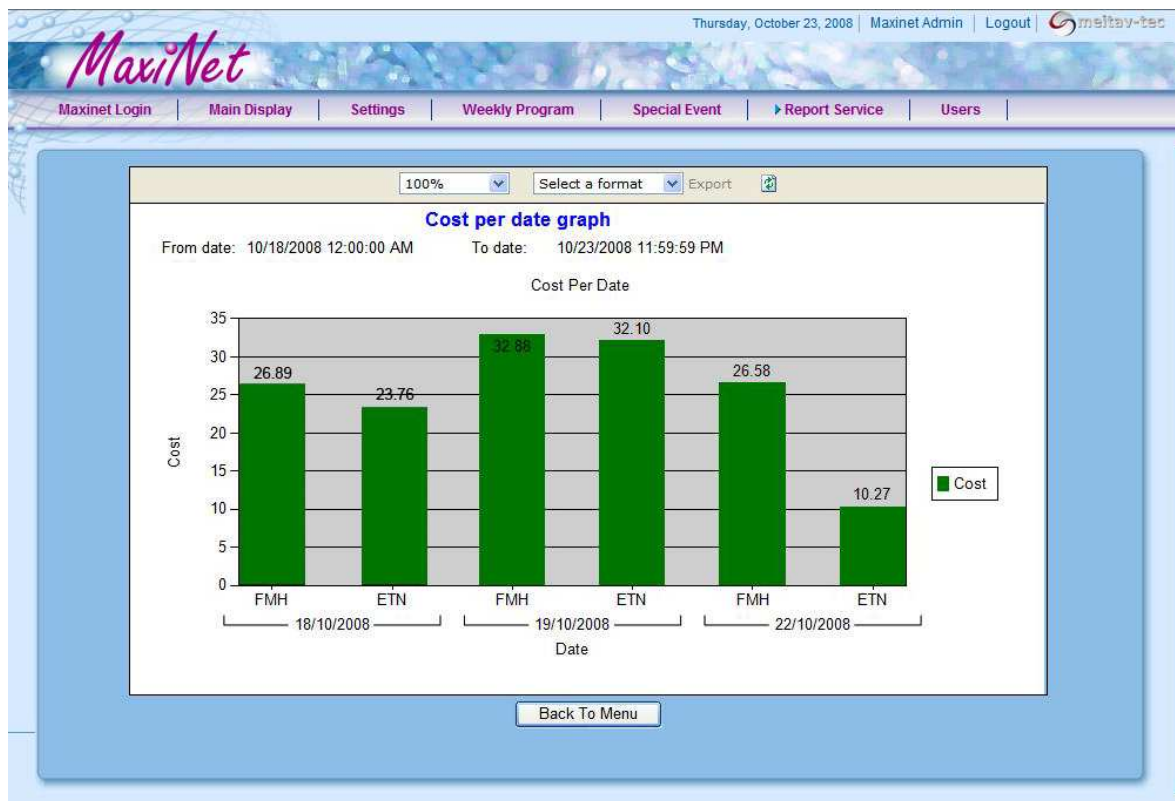
Cost per date



Note: Cost calculation is being done every midnight, calculating the last day consumption.
No cost report for the current day is possible until past midnight.

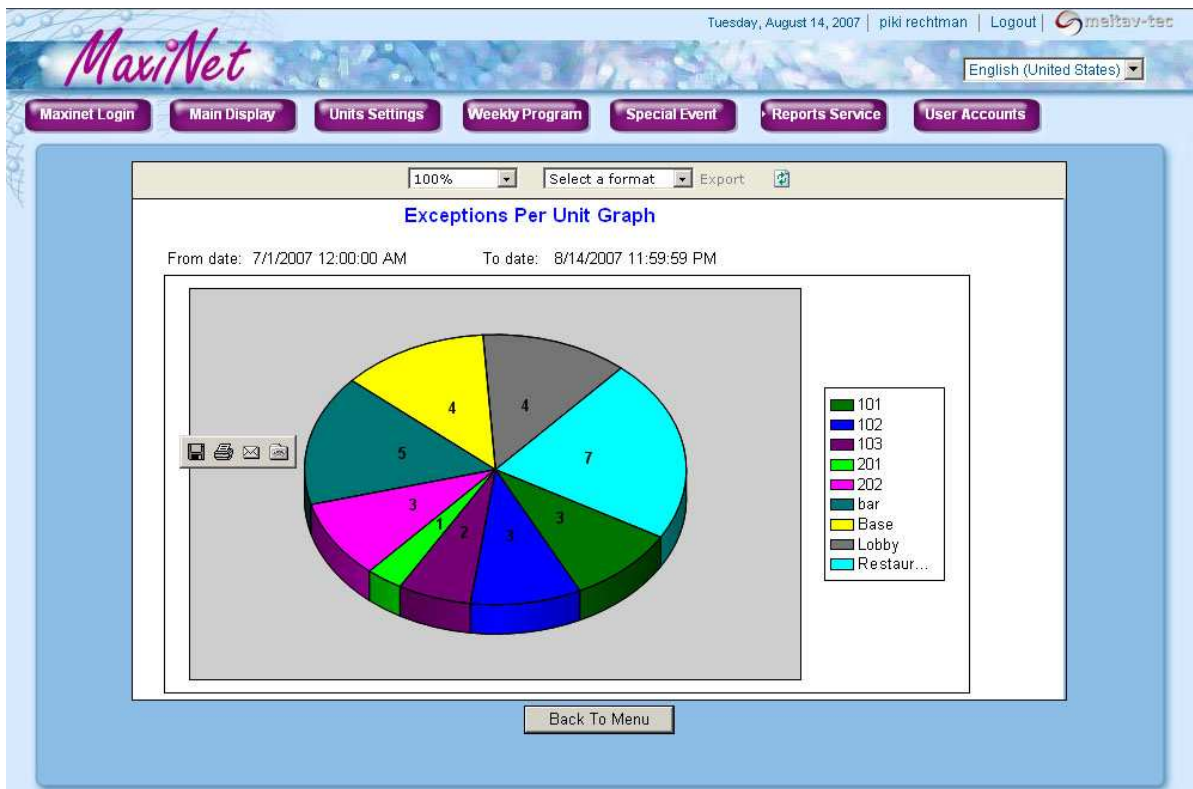
The software allows displaying more than one unit costs meaning the histogram can display 2 or more units in the same graph

Screen shot:

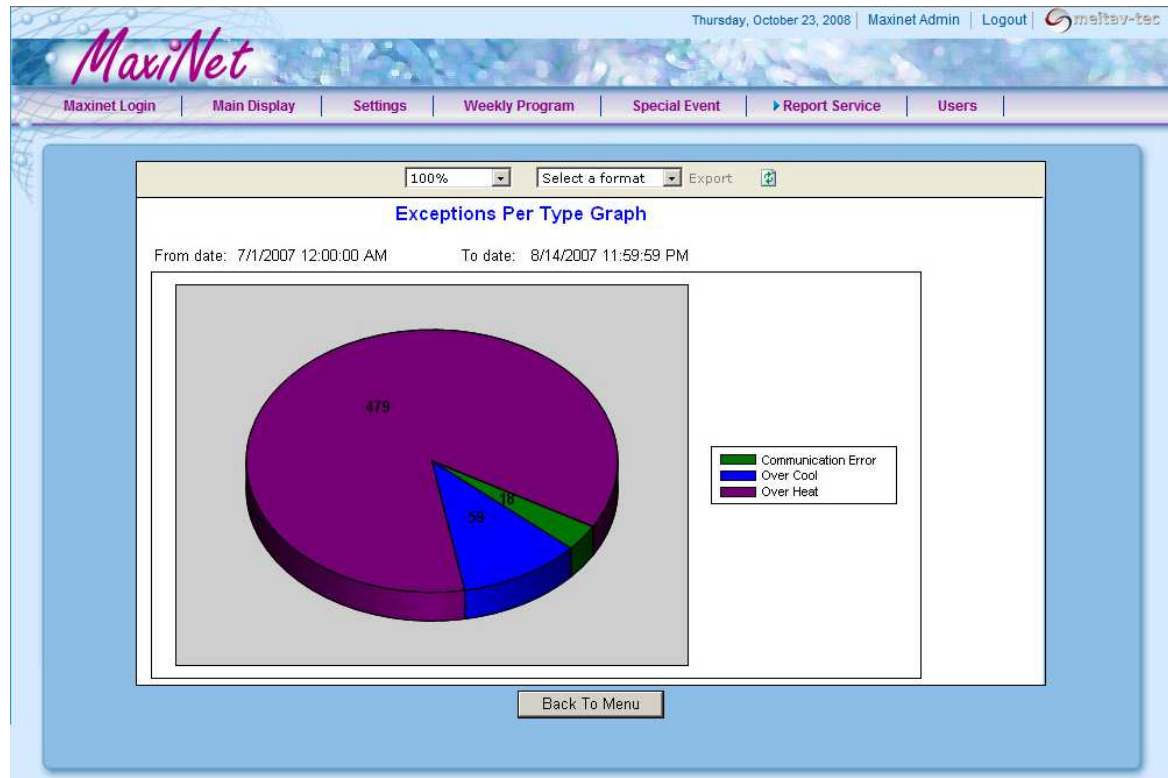


The cost displayed in the histogram is the actual cost (as provided in the "Cost Settings" screen) without the additional Cost Factor.

Exceptions per unit



Exceptions per type



7.1.5. Weekly Programs Reports

All Weekly Programs

Wednesday, May 27, 2009 | Maxinet Admin | Logout | meitav-tec

Maxinet Login | Main Display | Settings | Weekly Program | Special Event | Report Service | Users

1 of 4 | 100% | Find | Next | Select a format | Export

All Weekly Programs Report

Router Id	Unit Id	Unit Name	Floor	Group	Program Name	Day	Time	On\Off	Mode	Tset	Fan Speed
1	1	FMH	0	G1	WP1	2	0:00:00	On	Auto	24	Low
1	1	FMH	0	G1	WP1	2	0:30:00	On	Auto	24	Auto
1	1	FMH	0	G1	WP1	2	12:00:00	On	Auto	26	Auto
1	1	FMH	0	G1	WP1	2	12:30:00	Off	Cool	20	Low
1	1	FMH	0	G1	WP1	3	0:00:00	On	Auto	24	Low
1	1	FMH	0	G1	WP1	3	0:30:00	On	Auto	24	Auto
1	1	FMH	0	G1	WP1	3	12:00:00	On	Auto	26	Auto
1	1	FMH	0	G1	WP1	3	12:30:00	Off	Cool	20	Low
1	1	FMH	0	G1	WP1	4	0:00:00	On	Auto	24	Low
1	1	FMH	0	G1	WP1	4	0:30:00	On	Auto	24	Auto
1	1	FMH	0	G1	WP1	4	12:00:00	On	Auto	26	Auto
1	1	FMH	0	G1	WP1	4	12:30:00	Off	Cool	20	Low
1	1	FMH	0	G1	WP1	5	0:00:00	On	Auto	24	Low

Back To Menu


A table of all the instances of all the units in all the Weekly Programs is displayed.

Exporting the table to Microsoft Excel enables the user sorting the data.

Important: in the Excel worksheet, if a merging cells warning is shown while sorting the data; the user should delete columns F and J.

8. User accounts

8.1. Open the user accounts window

- Press the  button to open the user accounts window.
The display will show a list of users with access privileges to Maxinet.

There exist 3 levels of permissions:

- Maxinet admin – permitted to view/change any parameter of any unit in the system and to add/remove users.
- Browser – permitted only to view any parameter of any unit in the system.
- End user – permitted only to view/change the parameters of his unit. End user cannot view other units in the system.



The screenshot shows the 'User Accounts' window in the Maxinet application. The window has a header with the 'MaxiNet' logo and a navigation bar with links: Maxinet Login, Main Display, Settings, Weekly Program, Special Event, Report Service, and Users. The 'Users' link is highlighted. Below the navigation bar, the 'User Accounts' section is displayed. It includes a search bar with a dropdown menu set to 'Username', a 'Display Date' section with radio buttons for 'Last Login' (selected) and 'Created Date', and a 'Records Per Page' dropdown set to '10'. A table lists the users, with columns for Username, Name, Address, Telephone, Email, Last Login, and Authorized. Two users are listed: 'admin' (Administrator Account) and 'Maxinet' (Maxinet Admin). Both are marked as 'Authorized'. At the bottom of the window, there are links for 'Add New User' and 'Delete Unauthorized Users'.

Username	Name	Address	Telephone	Email	Last Login	Authorized
admin	Administrator Account			Maxinet@contel.co.il	3/14/2011 2:39:34 PM	<input checked="" type="checkbox"/>
Maxinet	Maxinet Admin			Maxinet@Admin.com	3/15/2011 12:37:23 PM	<input checked="" type="checkbox"/>

8.2. Add users

- Press the Add New User link at the bottom of the user accounts screen.
The “Edit User Accounts” screen will appear.

Edit User Accounts

First Name: * Street: *

Last Name: * Unit #: *

User Name: * City: *

Password: * Country: <Not Specified>

Confirm: * Region: *

Email Address: * Postal Code: *

Website: Telephone: *

Instant Messenger ID: Cell: *

Fax: *

Authorized: ☒

Preferences

Preferred Language: English (United States)

Time Zone: (UTC +02:00) Athens, Bucharest, Istanbul, Minsk

[Update](#) [Cancel](#)

- Fill In the details for the new user. Note that the fields marked with asterisk (*) are mandatory.
- Press the Update link at the bottom of the screen to continue or the Cancel link to cancel.
The new user will be added to the users list.

MaxiNet

Tuesday, March 15, 2011 | Maxinet Admin | Logout |

[Maxinet Login](#) | [Main Display](#) | [Settings](#) | [Weekly Program](#) | [Special Event](#) | [Report Service](#) | [Users](#)

User Accounts

Search: Username

Display Date: ☒ Last Login ☐ Created Date

Records Per Page: 10

Username	Name	Address	Telephone	Email	Last Login	Authorized
admin	Administrator Account			Maxinet@contel.co.il	3/14/2011 2:39:34 PM	<input checked="" type="checkbox"/>
David	David Beckham			DB@email.com	3/15/2011 1:09:49 PM	<input checked="" type="checkbox"/>
Maxinet	Maxinet Admin			Maxinet@Admin.com	3/15/2011 12:37:23 PM	<input checked="" type="checkbox"/>

Page 1 of 1

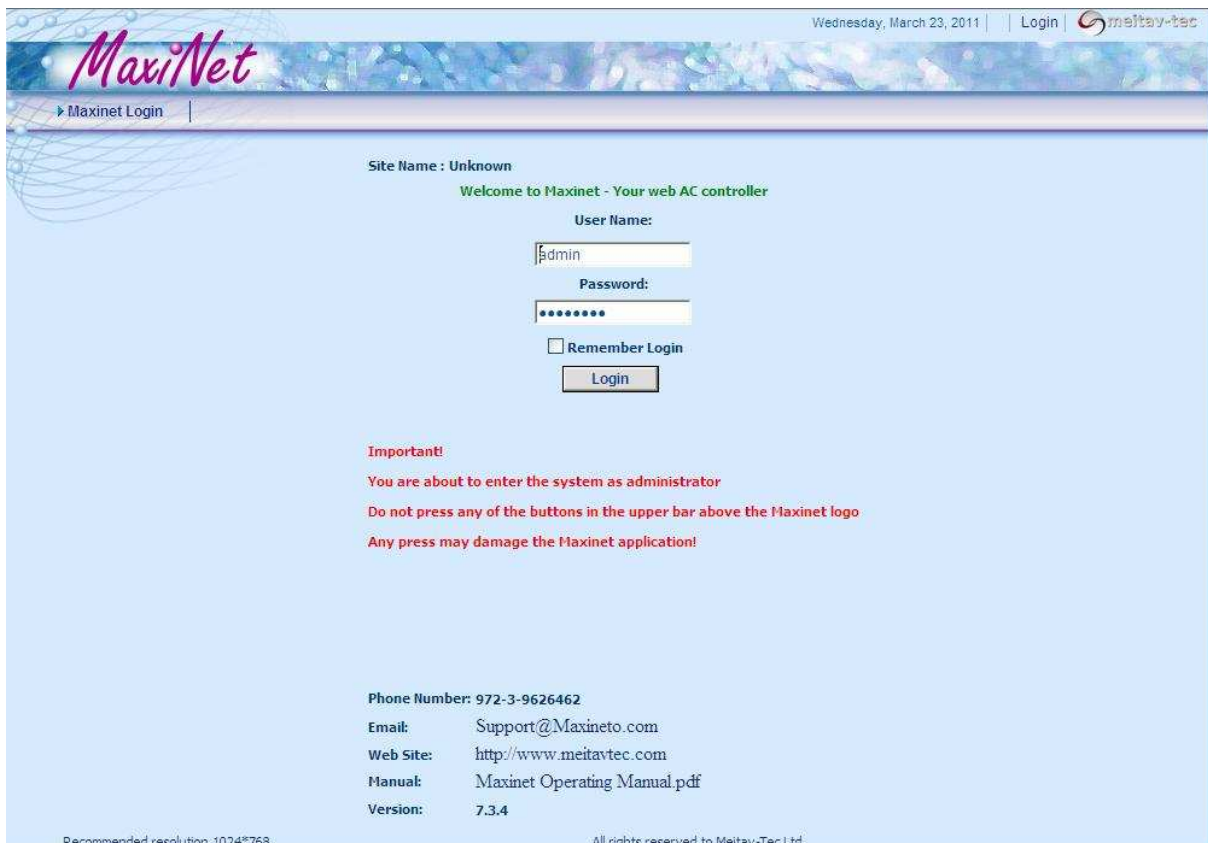
[Add New User](#)

[Delete Unauthorized Users](#)

[First](#) [Previous](#) [Next](#) [Last](#)

8.3. Edit user's details and define access permissions

- Login to the Maxinet as Admin (to receive password contact the local Maxinet distributor)



Wednesday, March 23, 2011 | Login | meitav-tec

MaxiNet

Maxinet Login

Site Name : Unknown

Welcome to Maxinet - Your web AC controller

User Name:
admin

Password:

☐ Remember Login

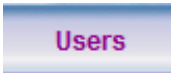
Login

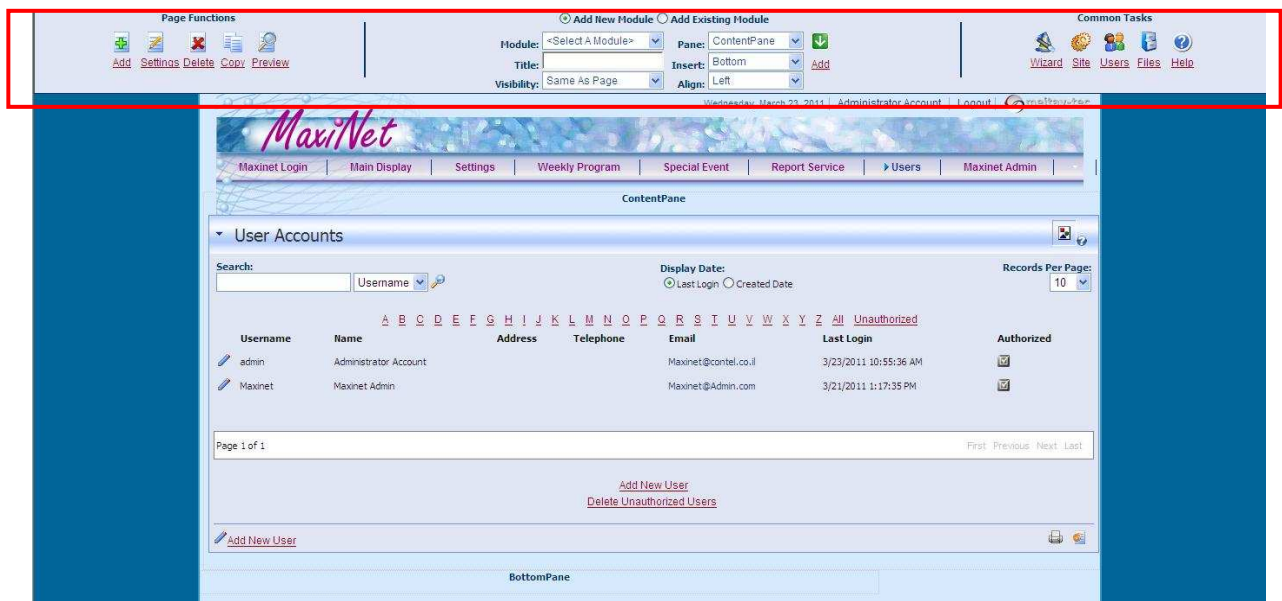
Important!
You are about to enter the system as administrator
Do not press any of the buttons in the upper bar above the Maxinet logo
Any press may damage the Maxinet application!

Phone Number: 972-3-9626462
Email: Support@Maxinet.com
Web Site: http://www.meitavtec.com
Manual: Maxinet Operating Manual.pdf
Version: 7.3.4

Recommended resolution: 1024*768 All rights reserved to Meitav-Tec Ltd.

Note: the message in the login screen notifies not to press any of the buttons in the upper bar above the Maxinet logo – any press may damage the Maxinet application.

- Press the  button to open the user accounts window.
The display will show a list of users with access privileges to Maxinet.
Note: Do not press any of the buttons in the marked (red) area.



Page Functions: Add Settings Delete Copy Preview

Module: <Select A Module> Pane: ContentPane

Title: Same As Page Insert: Bottom

Visibility: Same As Page Align: Left

Common Tasks: Wizard Site Users Files Help

Maxinet Login Main Display Settings Weekly Program Special Event Report Service Users Maxinet Admin

ContentPane

User Accounts

Search: Username

Display Date: Last Login Created Date


Records Per Page: 10

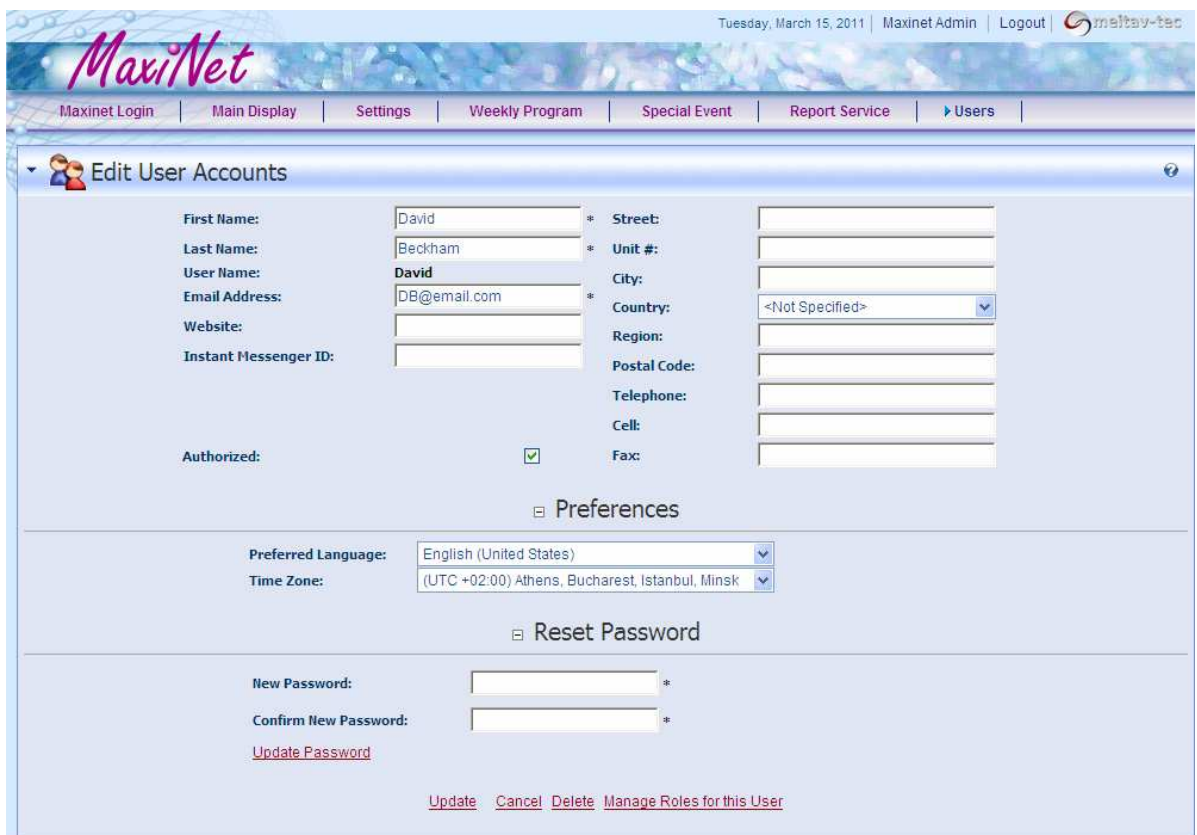
Username	Name	Address	Telephone	Email	Last Login	Authorized
admin	Administrator Account			Maxinet@contel.co.il	3/23/2011 10:55:36 AM	<input checked="" type="checkbox"/>
Maxinet	Maxinet Admin			Maxinet@Admin.com	3/21/2011 1:17:35 PM	<input checked="" type="checkbox"/>

Page 1 of 1 First Previous Next Last

Add New User
Delete Unauthorized Users

BottomPane

- Press the  button on the left of the new user to edit user details and to define access permissions.



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Edit User Accounts

First Name: David * Street: *
 Last Name: Beckham * Unit #: *
 User Name: David City: *
 Email Address: DB@email.com * Country: <Not Specified> v
 Website: Region: *
 Instant Messenger ID: Postal Code: *
 Telephone: *
 Cell: *
 Fax: *

Authorized: ☒

Preferences

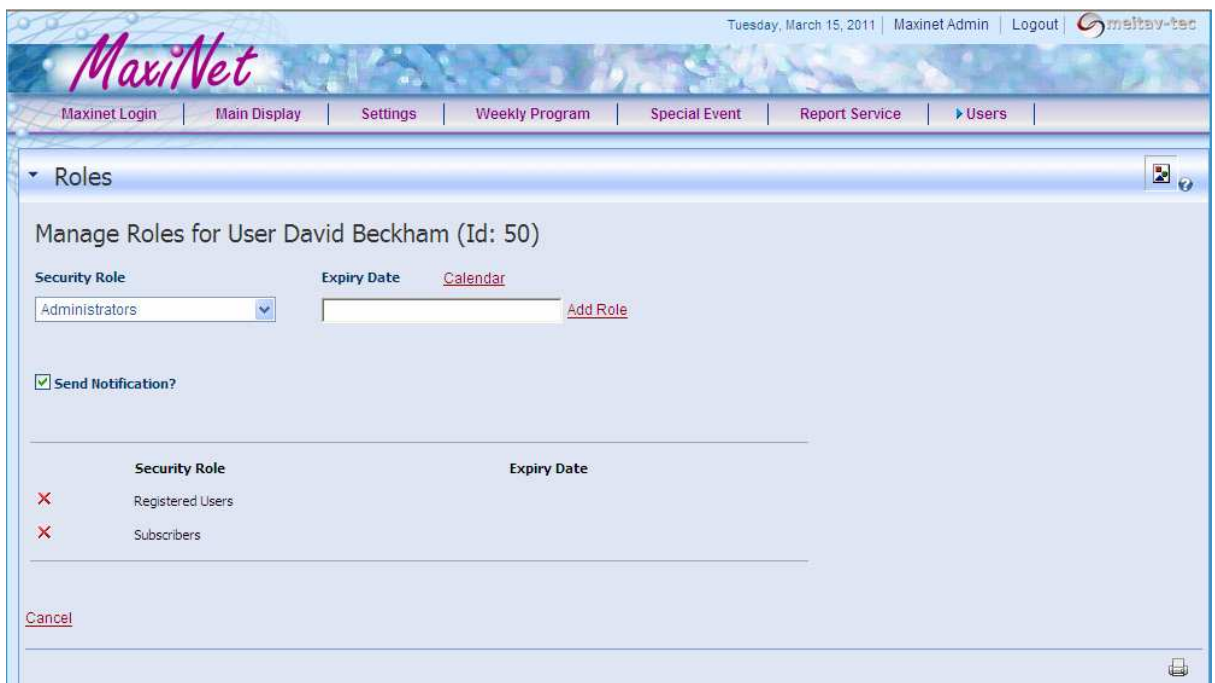
Preferred Language: English (United States) v
 Time Zone: (UTC +02:00) Athens, Bucharest, Istanbul, Minsk v

Reset Password

New Password: *
 Confirm New Password: *
[Update Password](#)

[Update](#) [Cancel](#) [Delete](#) [Manage Roles for this User](#)

- Press the Manage Roles for this User link at the bottom of the screen.



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Roles

Manage Roles for User David Beckham (Id: 50)

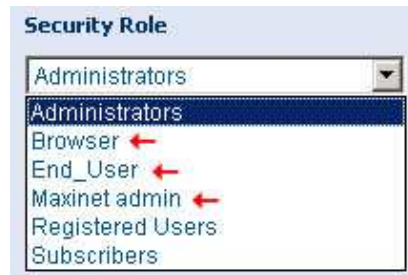
Security Role: Administrators v Expiry Date: [Calendar](#) [Add Role](#)

☒ Send Notification?

Security Role	Expiry Date
X Registered Users	
X Subscribers	

[Cancel](#)

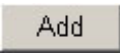
- Select Security Role from the dropdown menu:
 - Maxinet admin - The user is permitted to view/change any parameter of any unit in the system and to add/remove users.
 - Browser - The user is permitted only to view any parameter of any unit in the system.
 - End user - The user is permitted only to view/change the parameters of his unit. End user cannot view other units in the system.



Note: Do not select one of the followings: Administrators, Registered Users or Subscribers.


- Press the Add Role link to confirm. The selected Security Role will be added to the Security Role list.

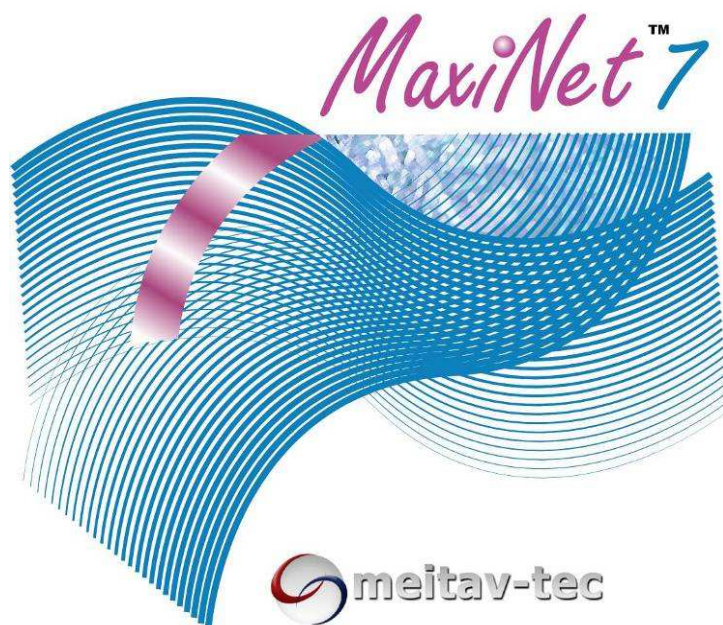
When adding an End User role, the name of a unit must be specified for this user:

- Select the Router and the Unit number from the dropdown menus and press the  button to confirm.

Enter End User Unit Info: Router: Unit: 

Deleting Roles

- The Security Role can be deleted by pressing the  icon next to the unwanted role on the Security Role list.
- Press the Cancel link to return to the User Accounts screen.



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