

WE TAKE BUILDING AUTOMATION PERSONALLY



MANUAL REGIO TOOL©





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This manual is designed to be an aid during installation and use of Regio $tool^{\circ}$.

More information

More information about Regio can be found in:

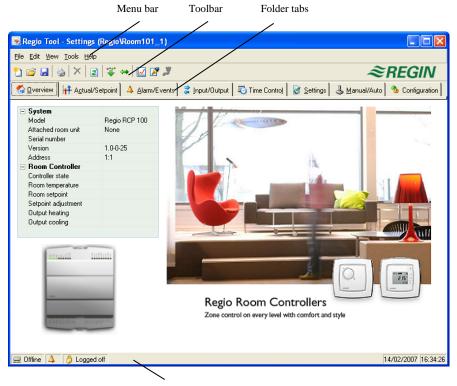
- *Regio Midi Manual* Manual for the Regio Midi controllers
- Regio Maxi Manual Manual for the Regio Maxi controllers
- Regio in EXO projects Information on how to use Regio in the EXO system

The information is available for download from Regin's website, <u>www.regincontrols.com</u>.

Chapter 2 Introduction to Regio tool[©]

Regio $tool^{\circ}$ is a Windows-based PC-program for configuration and maintenance of the controllers in the Regio Midi and Maxi series. It has not been designed with the intention of being a full SCADA program.

The program window is divided into several parts:



Status bar

Menu bar: Standard Windows type drop-down menus.

Toolbar: Gives direct access to various functions. All the functions in the Regio toolbar are also accessible through the menu bar system.

Folder tabs: Give access to a number of folders that can be shown one at a time in the area below the tabs.

This manual will mainly describe the functions of the items in the menu bar and the toolbar. Since the contents of the folders vary depending on which of the programs you are running they will not be covered in detail in this manual. Use the appropriate Regio manual for reference.

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To install and run Regio tool[©] a PC running Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1 or Windows 10 is required.

Regio tool[©] is downloaded from Regin's website, www.regincontrols.com. Download and unzip the compressed file and then double-click on the **setup.exe** file. Next, follow the instructions.

On start-up, Regio $tool^{\circ}$ will automatically search for any controller with the right address connected to the computer and connect to it if it is of a type suitable to the program being loaded. If the program does not find a suitable Regio controller, it will start offline.

Regio tool[©] always starts with a box where the user chooses which Regio model is used with the System overview folder displayed. Make sure that you choose the correct model or certain functions such as control and alarm handling may otherwise be lost.

Setting the controller address

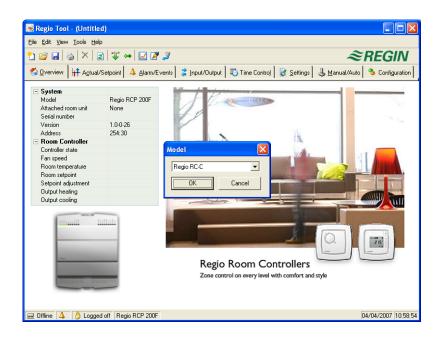
The controller address is set in the Configuration folder. Each controller has a unique PLA- and ELA-address on delivery. This address should be entered instead of the Regio tool^{\circ} default address (254:30).

Running Regio tool[©] from a project in Project Builder

Regio $tool^{\circ}$ can be run from an EXO project in Project Builder. The controller settings that have been made in Project Builder will then be used and certain functions will not be available in Regio $tool^{\circ}$. Regio $tool^{\circ}$ is opened from the configuration file in the project.

The following functions are not available when Regio tool[©] is run from Project Builder:

- Changing the address
- Changing the communication settings
- Opening a new configuration file
- Creating a new configuration file



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The menu bar has five drop-down menus:

<u>File Edit View Tools Help</u>

4.1 File

The items in the file menu are used to handle configuration files. The data describing a configuration can be saved as a file. Any number of configurations can be saved, as long as there is enough available disk space. The file will have a .rtc extension and needs about 22 kb of disk space.

Í	🔜 R	egio Tool	- (Untitle	ed)		
	Eile	<u>E</u> dit ⊻iew	<u>T</u> ools <u>H</u> e	elp		
	2	New	Ctrl+N) 🐺 👄 🗾 🖉	2	≈REGIN
ľ	2	Open	Ctrl+O	Setpoint 2 Input/0	utput 📝 Settings 🕹 Manual/Auto 🏇 Configuration	
ŀ		<u>S</u> ave	Ctrl+S	ootboux (🛱 Tubaro		
		Save <u>A</u> s		D 1 000	L P	
		Read Only		Regio RC-C		
	۵	Print	Ctrl+P	1.0-0-25 254:30		10 mg
		E⊻it	Alt+F4		and the second second	

New

Opens a new unnamed file. A box appears where you can choose for which controller model you wish to create the file. Make sure that you choose the correct model.

Open

Opens a saved file.

Save

Saves the current file to disk. If the file is unnamed you will be prompted for a name.

Save as

Saves the current file to disk using a new name of your choice.

Read only

This item can normally be ignored. Should you for some reason open two instances for the same file, one of them will be marked as Read only to prevent data conflict.

Print

Gives a printed list showing all the configuration settings of the present file.

Exit

Closes Regio tool[©].

4.2 Edit

The edit menu contains only one item:

🔜 Regio Tool - (Untitled)			
Eile Edit View Tools Help			
🎦 🗙 Delete Del 👔 🐺 ⇔	🗹 🖉 🍠		
🐔 🛛 verview 🛛 🕂 Actual/Setpoint 🛛 🐴	Alarm/Events 💈 Input/Output	Time Control 🛛 😿 Se	tting
Calendar .	Holiday Period 1	11 Jun	
- Time Schedule	Add holiday period		
Time for Occupied mode			
Time for Unoccupied mode			
Holiday Schedule			

Delete

Delete is only used in conjunction with Holiday periods to remove assigned periods.

4.3 View

The view menu contains one item:

Regio Tool - (Untitled)	
Eile Edit View Iools Help	
🎦 🚰 🛛 Refresh F5 🥇 👄 📝 🎢 🎉	≈REGIN
🐔 🛛 verview 🛛 👫 Agtual/Setpoint 🛛 🤹 Input/Output 🛛 🚮 Settings 🛛 🕹 Manual/Auto 🛛 🌯 Configuration	

Refresh

Regio tool[©] is not a dynamic program, meaning that, if a parameter value is changed in a connected controller, the corresponding value in Regio tool[©] will *not* automatically be updated. Instead, the Regio tool[©] user must manually initiate reading of parameter values from the controller.

Refresh initiates a reading of all dynamic parameters from the connected controller. The display is updated with the new values.

When you change between display tabs, an update will automatically be initiated.

As an alternative to the refresh button, the Update button in the Toolbar or the F5 key on the computer keyboard can be used.

You can also choose to auto refresh pictures with dynamic values, i.e. an automatic finger that presses F5 at settable intervals.

If the controller revision is older than the Regio tool^{$^{\circ}$} revision, you are asked what you want to do to make them compatible. See the chapter *Updating Regio*.

4.4 Tools

属 Regio Tool	- (Un	titled)	
<u>File E</u> dit <u>V</u> iew	Tools	Help	
🎦 🗃 🖬 🖉	¥	Load all parameters	≈REGIN
🚯 🖸 verview	+	≦ynchronize all parameters	ings 🛃 Manual/Auto 🦠 Configuration
		Reset all parameters to $\underline{d} efault \ values \ldots$	
 System Model 	# 4	Search for <u>C</u> ontrollers	17 manuelles
Serial numbe		Set Controller date and time	
Version		Change Controller address	
Address		Reload Controller	
Controller sta			- Anno Italiana Anno Anno Anno Anno Anno Anno Anno A
Room tempe		Log o <u>n</u>	
Room setpo		Log off	
Setpoint adj			
Output heati		Change password	
Output cooli		Real time chart	
	2	Not <u>e</u>	
		Options	
	2	Communication settings	
	17		

Load all parameters

Downloads all present parameters from Regio $tool^{\circ}$ to the controller.

Synchronize all parameters

All parameter values in the Regio controller are compared with the corresponding values in Regio tool[®]. All discrepancies will be listed. All items in the list are normally tick-marked. By removing the tick-mark from an item you can exclude it from the selection. You can then choose to update Regio tool[®] using the controller values or update the controller using the Regio tool[®] values.

Reset all parameters to default values

Resets all Regio tool[©] parameter values to default values.

Search for controllers

If, on startup, Regio tool[©] fails to establish contact with a connected controller it is usually due to an address mismatch. This function will search through all the possible addresses until a unit is detected. The displayed address values should then be written into the address fields in the folder Configuration / System.

🕂 Search Fo	r Controllers			\mathbf{X}
PLA	ELA	Model	Version	\Box
1		Start Search		-1
		<u>Start Search</u>	<u>C</u> lose	

Set controller date and time

Will synchronise the controller date and time with the computer date and time.

Change controller addresses

Each controller has a unique address on delivery. The address should be entered instead of the Regio $tool^{\circ}$ default address (254:30). See the section Configuration for more information.

Reload controller

Downloads the current control program from Regio $tool^{\circ}$ to the controller. Use this function to install updated program revisions. Note, though, that since the hardware differs between different controller models, the Regio $tool^{\circ}$ program and the Regio model must be compatible. Otherwise, unexpected events may take place.

Log on

There are two different log-on levels, operator level (password 3333) with limited access and administrator level (password 1111) with full access.

Should you try to perform an operation which requires a higher access level than the one you have, you will be prompted to change the log-on level.

Log off

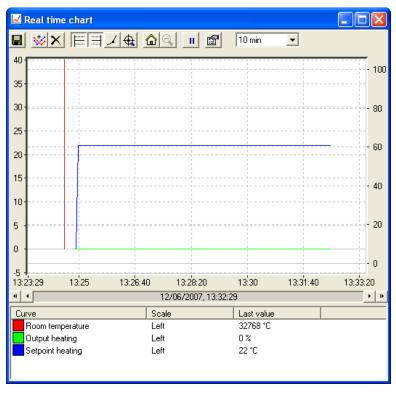
Enables log-off to the basic level.

Change password

Permits change of the password for the present log-on level.

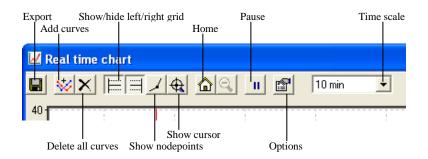
Real time chart

Creates a real time chart. Up to four parameters of your choice can be logged. The chosen parameters are listed at the bottom of the screen together with information on which colour (which of the vertical scales) it is referring to and the latest recorded value. The chart has left and right vertical scales with individually settable ranges. The horizontal timeline can be changed so that the chart window can display longer or shorter intervals. By using the scrollbar at the bottom of the chart, you can scroll along the timeline to show any position since the recording started. Values are recorded every 5 seconds. All recorded values can be saved to a text file for later use in, for example, a spread-sheet program.



The chart itself cannot be saved. On exiting, all values and settings will be lost.

The real time chart has the following tools:



- **Export**: Exports all recorded values to a .txt file. The values are tab-separated for easy import to, for example, Excel. Each line of the text file contains the values from one recording together with the time for the recording.
- Add curves: A click on this button reveals a list of all Regio parameters that can be displayed in the chart. Choose up to 4 parameters.
- Delete all curves: Deletes all the selected curves.
- Show/hide left/right grid: Chart grids scaled to the left and right scales can be displayed or hidden.
- Show nodepoints: A marker can be displayed on each curve at the point of each recording.
- Show cursor: Displays a vertical line on the chart display. The cursor can be moved along the timeline. When the cursor is active, instead of showing the latest recorded values in the parameter list, the values at the cursor position are displayed. In this way you can check back on earlier record values.
- **Home:** Home position is the chart position where you have the "recording pens" close to the right hand edge of the chart. If you have scrolled back along the timeline you can use this button to jump back to normal position.
- **Pause:** Pauses the chart. The "paper" stops scrolling and no new curve segments are added. Data acquisition continues, however, and new readings are saved every 5 seconds. Press Pause again and all the saved readings will be added to the chart.
- **Options:** Set various options.

Options	
Time scale	
Interval:	10 min 💌
Left scale	
Maximum value:	40
Minimum value:	-5
Right scale	
Maximum value:	105
Minimum value:	-5
OK	Cancel

- **Time scale:** Sets the time width of the chart display. **Left scale / Right scale** sets the scaling for the left and right chart scales.
- Parameter list:

Curve	Scale	Last value	
Room temperature	Left	32768 °C	
Output heating	Left	0%	
Setpoint heating	Left	22 °C	

The parameter list shows the parameters assigned to the chart. To remove a parameter, right-click on it and choose remove.

To change which of the right / left scales the parameter curve is referring to, right-click and choose properties or double-click with the left mouse button.

Notes

Gives access to a notepad area. Any text written here is saved together with the configuration file. If you make a printout of the configuration, the notepad text will be included in the printout.

Options

Permits the setting of certain program parameters:

🗄 Options		
Log on timeout	15 min	OK
Number of decimals	2	Cancel
Lock configuration		
Auto refresh	every 10	s

- **Log-on timeout:** After inactivity for longer than the set time the log-on level will be set to 5.
- **Number of decimals:** Sets the number of decimals displayed. All calculations, however, are always done with full precision.
- Lock configuration: Blocks access to the configuration tab.
- Auto refresh

Communication settings

Setting of the communication between Regio $tool^{\mathbb{O}}$ and controller

🍠 EXOcom Too	🍠 EXOcom Tool 📃 🗖 🗙		
Project Edit Too	ls Help		
New Undo	Set as defa <u>u</u> lt		
* Serial	Name:		
	Туре:	~	
	Description:	~	
		×	

We suggest serial communication with E Cable-RS485 or E Cable-USB as a standard.

TCP/IP communication

The -T-models in the Regio Maxi series (RCP100T, RCP100TF, RCP200T, RCP200TF) have a TCP/IP port, and can communicate via a TCP/IP network. The controller will use port 26486 for network communication. Simply connect the controller using a network cable and then follow the instructions provided by Regio tool[®].

Open "Communication settings" and click the button showing a connector with a blue cable:



Check "Use a TCP/IP port in this controller":

🍠 Communicati	on settings		- 0 X
. 🥌	Current name: Current name: Current name: Current name: Current number: Current Address: Cu		
	communication		<u>S</u> earch
O Use a TCF IP settings	VIP port in this controller © Obtain IP settings automatically (by DHCF © Use the following IP settings: IP address: Subnet mask: Default gateway: The IP settings can be assigned automatically if the net you have to ask the network administrator for appropriate domain. Full DNS name: Enter the host name and the domain of the controller. administrator for the appropriate domain. Host name: Domain: The name entered here will be registered in the DNS sat configured to obtain IP settings automatically (by DHC computer to connect to the controller using the DNS.	twork supports this iate IP settings. Ask the network	that the controller is
Set TCP/	This requires that the DHCP and DNS servers are able	OK	Cancel

Select whether or not to use a crossover network cable:

Regio tool	I - (Untitled)
?	Are you using an E-Cable-TCP/IP (crossover network cable) to connect directly to the controller?
	<u>Y</u> es <u>N</u> o

Select the controller whose serial number corresponds to that of the current controller:

Search and select - T	CP/IP Network	directly				×
OK Cancel	Refresh Fi	ind more			Upgr	ade TCP/IP port OS
Name	Serial number	Running IP	Ethernet address	DHCP	DNS name	Description
🕋 EX8282_Gateway	011002090929	10.0.0.31	0030970022C7	No		
🕋 Serverrum	xx1105090571	10.0.0.159	0030970039D0	Yes		
=	011211270435	10.0.0.191	0030970060CB	Yes		
🖆 CB_test2	011401140598	10.0.0.186	003097009A22	Yes		
🕋 UnnamedController	011404290853	10.0.0.167	00309700A40C	No		
🖆 UnnamedController21	011406200005	10.0.0.214	00309700AD01	Yes		
🕋 RM09	011409010315	10.0.0.175	00309700B8CD	Yes		
	011409120972	10.0.0.215	00309700B9A4	Yes		
1	011411240007	10.0.0.144	00309700C880	Yes		
🚎 MNI Vent	011411240041	10.0.0.152	00309700C8A2	Yes		
🚎 AKN heating	011501190323	10.0.0.164	00309700D26C	Yes		
PLN	011508100714	10.0.0.149	003097010F3B	No		
🖆 Wireless_DUC	011511190174	10.0.0.154	0030970132E6	Yes		
🚎 MNI E282DW-3	011511250764	10.0.0.150	0030970136E4	Yes		
•			11			•



The current IP address and subnet are presented in the window:

- ● Use a TCF IP settings	7/IP port in this controller		1
n settings	Obtain IP settings automatical	ly (by DHCP)	<u>S</u> earch
¥	Use the following IP settings: -		
	IP address:	10.0.0.149	
	Subnet mask:	255.255.255.0	
	Default gateway:		

Click "OK".

Connection with the controller has now been established.

4.5 Help

Gives access to help texts and revision information. Also provides access to manuals for Regio tool^{\circ}, Regio Midi, Regio Maxi and the RCF range of room units.

The toolbar provides shortcuts to some frequently used commands.



By placing the cursor over a tool icon, a tool tip will be displayed giving a short description of the tool.

All the tools have been described in the chapter Menu bar above.

The folder tab consists of the following folders:

🚮 <u>0</u> verview	Actual/Setpoint	▲ Alarm/Events	💈 Input/Output	🖏 Time Contro <u>l</u>	谢 <u>S</u> ettings	🕹 <u>M</u> anual/Auto	🐁 Configuration

The contents of the various folders depend on for which Regio model the program has been configured. Therefore, the contents will not be described in detail here.

Items in a folder that somehow belong together are grouped. Group names are displayed in bold. The groups are normally shown expanded, that is that all the items in the group are displayed, headed by the group name. A group can be compressed to show only the group name by clicking on the box with a - (minus) to the left of the group name. For a compressed group the box will contain a +. Click on it to expand the group.

Setting values

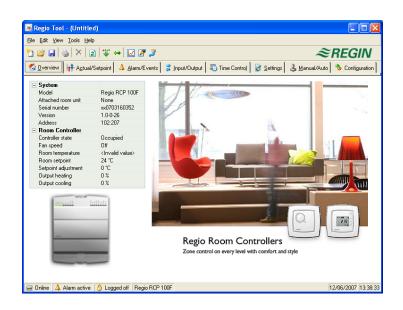
Many of the folders contain settable values. If you pass the cursor over such a value a text box (tool tip) will be displayed showing the permitted value interval.

If you have a Regio controller connected you must download a value to the controller for it to become active.

Downloading can be done in several ways:

- Right-click on any single item and choose *Load parameters*. This will download only that single parameter.
- Right-click on a group name and choose *Load parameters*. This will download all parameters in the chosen group
- Click on the *Load all parameters* button on the toolbar.
- Click on *Tools* in the Menu bar and choose *Load all parameters*. These last two methods will, as the name implies, download <u>all parameters to the controller</u>.
- You can also synchronise parameters following the same rules as above but choose *Synchronize parameters*. A useful tool to compare the settings in the controller with the settings in Regio tool[©].
- It is also possible to reset parameters to default values by right-clicking and choosing *Reset* parameters to default values.

6.1 Overview



At the left-hand edge of the Overview area there is a list of the most important control parameters. To update the values, press F5 or click on the refresh button in the toolbar.

6.2 Actual / Setpoint

	i 🗹 🖉 🍠		11	0 1	-	REGIN
Cverview Actual/Setpoint 4	Alarm/Events	🟅 Input/Outpu	t 🛛 🙄 Time Control	Settings	🕹 <u>M</u> anual/Auto	🎭 Configuration
- General						
Change-over temperature						
Condense						
Open window						
Presence						
Forced ventilation						
Actual						
Controller state						
Fan speed						
Room temperature						
Room setpoint						
Setpoint adjustment						
Output heating						
Output cooling						
Setpoint						
Setpoint heating	22 °C					
Setpoint cooling	24 °C					
Setpoint heating Unoccupied	15 °C					
Setpoint cooling Unoccupied	30 °C					
Deadband Stand-by	3 °C					
Setpoint frostprotection	8°C					

Displays actual values for inputs and outputs and relevant setpoint values.

Actual and setpoint values must be downloaded to the controller in order to take effect. To download, right-click on a value and choose *Load parameters*, or click on *Load all parameters* in the Toolbar or the Tools menu. You can also synchronise the controller values with the computer values by selecting *Synchronize all parameters* in the menu Tools.

Real time chart

When right-clicking on some of the groups you are given the option of creating a real time chart. This chart will be created containing the four first recordable parameters in the group.

6.3 Alarms/Events (Only RCP controllers)

Overview 🛛 🕂 Acti	ual/Setpoint 🔺 Alarm/Events 💈 Input/Output	🔊 Time Control 🛛 🛃 Settings	👃 <u>M</u> anual/Au	uto 👌 🌯 Configu
ul classes	Alarm	Class	Delay	Status
Class A	nuulli cuntrullei			
Class B	noom temp nign	Alarm class A	5 min	
Class C	Hoom temp low	Alarm class A	5 min	
Event 🔽	Hoom temp deviation	Alarm class A	60 min	
	Room controller in manual mode Miscellaneous	Alarm class C	0 s	
dl statuses 🛛 🔽		Event point	0 s	
llocked		Event point	0s Os	
icknowledged		Alarm class A	0 s 0 min	
Returned		Alarm class A	umin 5s	
larm active		Alarm class A	5 s 60 s	
	1			
Block				
<u>U</u> nblock				
	1			

Permits handling of all enabled alarms.

The alarm settings can be changed by either double-clicking on the alarm you wish to change or by marking the alarm and then clicking on the button *Settings*.

Alarm settings can also be changed in the folder Settings/Alarm Settings.

Changes made to alarm settings must be downloaded to become active.

- Non-activated alarms are shown with a green status box
- Active alarms have a yellow, red-bordered box with an exclamation mark.
- Reset, not acknowledged alarms have a white, red-bordered box.
- Active, acknowledged alarms have a blue box with a white tick-mark.
- **Blocked alarms** have a gray box with a black X.

Any changes made to alarm status in Regio $tool^{\circ}$ are instantly transmitted to the controller without the need to use *Load parameters*. However, changes in alarm status in the controller are not displayed in Regio $tool^{\circ}$ until you make a refresh.

To keep track of changes in alarm status when looking at other folders, look at the alarm box in the status bar at the bottom of the window.

A and B alarms will activate the digital outputs A-alarm and B-alarm respectively if configured. Both will activate the Sum alarm output if configured.

C alarms are internal only. C alarms need not be acknowledged. Once they reset, they automatically return to normal status.

Alarms can be shown according to class: A, B, C, All classes or Event. They can also be shown according to status: Normal, Blocked, Acknowledged, Returned, Alarm active and All statuses.

6.4 Input/Output

e Edit View Tools Help			~ > > > > > > > > > > > > > > > > > > >
😂 🖬 🥘 🗙 🔤 🗮 😝			≈REGIN
🔓 🖸 verview 🛛 🕂 Actual/Setpoint 🔤	👃 Alarm/Events 🛛 🏅 Input/Output	Time Control 🛛 📓 Settings 🚽	🖌 Manual/Auto 🛛 🐴 Configuration
Analog Inputs		Digital Outputs	
Al1 - Not used		DO1 - Fan speed 1	Off
Al2 - Change-over sensor	<invalid value=""></invalid>	DO2 - Fan speed 2	Off
Digital Inputs		DO3 - Fan speed 3	Off
DI1 - NO - Presence indicator	Off	D04 - Forced ventilation	Off
DI2 - NO - Window indicator	Off	D05 - Not used	
DI3 - NO - Not used		D06 - Thermo valve heating	Off
CI - Condense indicator	Off	D07 - Thermo valve cooling	Off

Shows actual values for all inputs and outputs. This is a read-only folder. No settings can be made here. Unconfigured inputs and outputs are grayed.

6.5 Time control (Only RCP controllers)

) 🧉 🔙 💊 🗡 🛛 😰 🐳 👄	2	≈REGIN
🔓 🛛 verview 📔 👫 Actual/Setpoint 📔 4	Alarm/Events 🛛 💈 Input/Output 🛛 🐻 Time Contro	ol 😼 Settings 🕹 Manual/Auto 🏇 Configurati
🖏 Calendar	🖃 Monday	
- Intro Schedule	Period 1	00:00 - 00:00
	Period 2	00:00 - 00:00
Time for Occupied mode	Tuesday	
Time for Unoccupied mode	Period 1	00:00 - 00:00
Holiday Schedule	Period 2	00:00 - 00:00
_	🖃 Wednesday	
	Period 1	00:00 - 00:00
	Period 2	00:00 - 00:00
	Thursday	
	Period 1	00:00 - 00:00
	Period 2	00:00 - 00:00
	🖃 Friday	
	Period 1	00:00 - 00:00
	Period 2	00:00 - 00:00
	🖃 Saturday	
	Period 1	00:00 - 00:00
	Period 2	00:00 - 00:00
	🖃 Sunday	
	Period 1	00:00 - 00:00
	Period 2	00:00 - 00:00
	🖃 Holiday	
	Period 1	00:00 - 00:00
	Period 2	00:00 - 00:00

Here you set the daily comfort periods.

Each control function has its own set of daily schedules

For each day there are two periods.

Should the running periods for Occupied and Unoccupied mode overlap, Occupied will take precedence.

The 8th day, *Holiday*, governs the activity on all days marked as holidays in the holiday calendar, see below.

Holiday schedule

😹 Regio Tool - (Untitled)		
<u>File E</u> dit <u>V</u> iew <u>T</u> ools <u>H</u> elp		
🎦 😂 🔙 🚳 🗡 🔳	₩ ⇔ 🔽 🎢 🦉	≈REGIN
🚯 🛛 verview 🛛 🕂 Actual/Se	🕮 Holiday Period 1	ation
Calendar	Select a holiday period in the calender below	
🖃 📷 Time Schedule	November 2006 December 2006	January 2007 🛛 🕨
Time for Occupied r Time for Unoccupie Time for Unoccupie Holiday Schedule	Mon Tue Wed Thu Fit Sat Sun Mon Tue Wed Thu Fit Sat Sun 30 31 1 2 3 4 5 1 2 3 6 7 8 9 10 11 2 4 5 6 7 8 9 10 13 4 5 6 7 8 9 10 11 2 13 14 15 16 17 18 19 11 12 13 14 15 16 17 18 19 11 12 13 14 15 16 17 16 17 12 13 14 15 16 17 10 12 13 14 15 16 17 12 13 14 15 16 17 12 12 12 14 15 16 17 12 12 12 14 15 16 <td< td=""><td>Mon Tue Wed Thu Fit Sat Sun 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</td></td<>	Mon Tue Wed Thu Fit Sat Sun 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
	February 2007 March 2007	April 2007
	Mon Tue Wed Thu Fit Sat Sun Mon Tue Wed Thu Fit Sat Sun 1 2 3 4 1 2 3 4 5 6 7 8 9 10 15 5 6 7 8 9 10 11 12 13 14 15 16 17 18 12 13 14 15 16 17 18 19 20 21 22 23 24 25 19 201 21 22 24 25 26 27 28 29 30 31	Mon Tue Wed Thu Fit Sat Sun 2 3 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
		OK Cancel
🚅 Offline 🔺 👌 Logged ol	f Regio RCP 200F	04/04/2007 12:57:19

Up to 24 separate holiday periods can be configured. A holiday period can be anything from one day up to 365 consecutive days.

To create a holiday period, click on the button at the right hand end of the line *Add holiday period*. To pick a single date, click on it, a marker will indicate your choice, then click on OK To pick a period, click and hold on the first date, drag the cursor to the last date and release the button. The period will be marked. Click OK. Alternatively, click on the first date, depress and hold the shift-key on your keyboard and click on the last date of the period. The full period should be marked. Click OK

Although the calendar seems to extend far into the distant future, holiday periods can only extend up to one year from the present date. Should you choose a date further ahead than one year, the date will be replaced by the same date within one year from the present.

To remove unwanted holiday periods, use the delete button in the toolbar.

Holidays/holiday periods that have been set will be valid every year, until they are removed. This means that for example Christmas and New Year will only have to be set once and are then valid for all future.

6.6 Settings

) 🐸 🖬 🤞 🗡 📳 🐺 🕯	* 🖬 🖉 🎽		≈REGIN		
Qverview	Alam/Events 2 Input/Output Time Control	Settings	3 Manual/Auto	🌯 Configuration	
Setting: Setting: Centrole: Setting: Alam: Setting: Setting: Miscellaneous	Recent temp high Data Delay Recent temp high Bacent temp high Bacent temp how Data Delay Recent temp deviation Class Delay Max soon temp deviation Class Delay Max soon temp deviation Class Delay	Alam class A 5 min 40 °C Alam class A 5 min 15 °C Alam class A 60 min 20			

PID Controller Settings

Setting of the parameters P-band and I-time.

Parameter setting-interval endpoint values and default values are displayed if you place the cursor over a parameter value.

Changes must be downloaded to the controller in order to take effect. To download, right-click on a parameter name or a parameter group name and choose *Load parameters*, or click on *Load all parameters* in the Toolbar or the Tools menu.

Alarm Settings / Room Controller / Miscellaneous

Setting of alarm parameters.

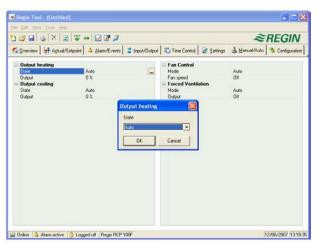
These settings can also be made in the Alarm status folder. See the section on Alarm status above.

Disabled alarms will be removed from the alarm list in the Alarm status folder.

A and B alarms will activate the digital outputs A-alarm and B-alarm respectively if configured. Both will activate the Sum alarm output if configured.

C alarms are internal only.

6.7 Manual / Auto



In this menu you can take manual command of most controller functions. It is very useful for testing purposes.

Setting functions to manual command will generate alarms to ensure that control is returned to Auto.

In this menu all changes are instantly downloaded to any attached controller, it is not necessary to run *Load parameters* for the changes to take effect.

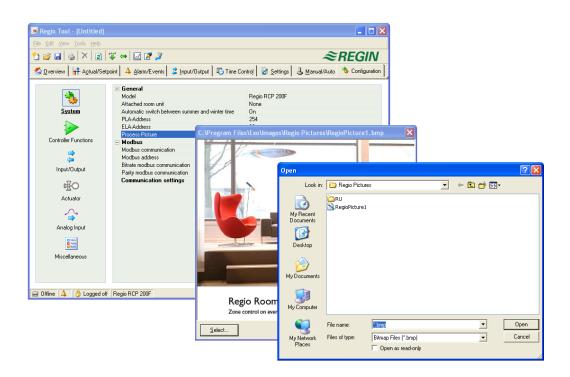
6.8 Configuration

This folder contains all the configuration parameters for the Regio controller. Since the contents are very diverse, the folder has been divided into sub-folders. These are accessed by clicking on the buttons in the left-hand button-list.

Only relevant configuration alternatives are shown. Which alternatives are relevant depends on what has been configured under the button *Input/Output* and under the button *Controller Functions* in the Configuration folder.

No controller has the Regio tool[©].default address (PLA=254, ELA=30). Instead, each controller has a unique address on delivery. This address should be entered instead of the Regio tool[©] default address.

In the Configuration folder, it is possible to change the picture shown in the Overview area. Under System/Process Picture, you can choose a picture in the bmp format as process picture.



This section only applies to Regio Maxi/RCP.

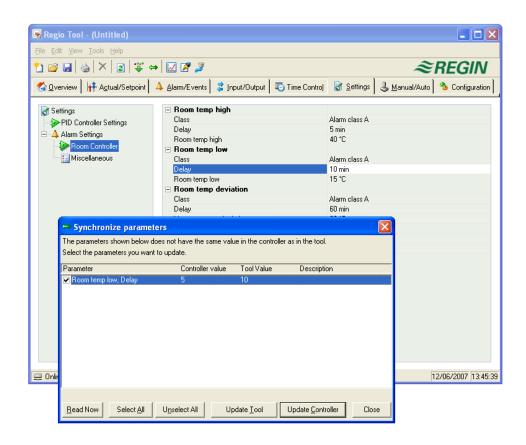
Regio tool^{\circ} should always be updated with the latest program revision. If you are using the latest revision of Regio tool^{\circ} and connect it to a Regio controller with an older program revision, Regio tool^{\circ} will give a warning and offer two alternatives.

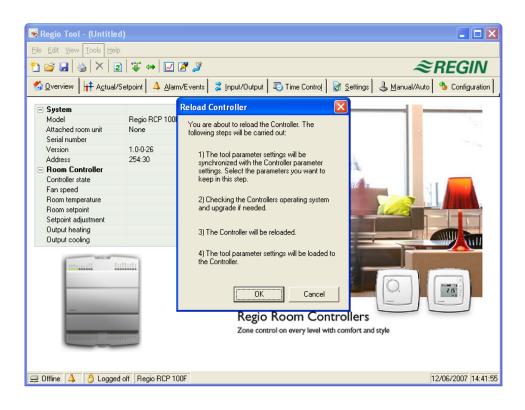
One alternative is to temporarily downgrade Regio $tool^{\circ}$ to a revision corresponding to the revision in the controller. All the settings in the controller will remain intact and the controller will keep its revision.

The other alternative is to upgrade the controller to the same revision as Regio tool[©]. This will cause the Regio-unit to temporarily stop working. Any previous settings will be permanently lost.

Take the following actions to avoid having to configure again:

- 1. Start Regio tool[©] and connect it to the controller. When asked, choose to downgrade Regio tool[©] to the controller's revision. The controller's parameter settings will then be transferred to the tool Regio tool[©].
- 2. Select *Synchronize all parameters* in the menu Tools. Then select *Update Tools*. Regio tool[©] should now contain an exact copy of the configuration in the controller. Select Save as in the menu File and save the configuration under a suitable name.
- 3. Close Regio tool[©]. Then open it again and choose to reload the controller with a new revision.
- 4. After reloading, open the saved configuration file, synchronize all parameters and then select *Update the controller*. The controller should now have the latest revision and be configured as it was before the upgrade. Make sure that the settings of the parameters that were not available in the old revision have suitable values.





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