ROLAND

Create, backup, display, modify and restore system and program parameters of the R1000 series units from Roland Electronic



- Backup and restore parameters
- Display, modify and create parameters
- Convert backup files
- ► For Windows 7, Windows 8.1 and Windows 10



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ROLAND B0004793 / Rev. 2.0

User manual - Help

RPP1000 Software

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1 Function of the software

The RPP1000 software has been developed to create, backup, display, modify and restore system and program parameters of R1000 series units from Roland Electronic GmbH.

Depending on the used R1000 unit, the following functions are possible:

Type of unit	Backup and restore parameters	Display, modify and create parameters	Convert existing old data backups
E20 ¹⁾ and UDK20 ¹⁾	Yes	Yes	Yes (*.RPP)
I20, L20	Yes	Yes	Yes (*.RPP7)
E10 ¹⁾ , UDK10 ¹⁾ , I10 ¹⁾ , I10K ¹⁾ , I10KV ¹⁾ , I10KH ¹⁾	Yes	No	Yes (*.RPP) at data from RPP XP; No at RPP WIN and RPP DOS
¹⁾ excepting following versions of units: A-R, A-O, B-R and B-O			

	Creating a backup after setting up and adjusting an R1000 unit can be performed by using the RPP1000 software. Additionally it is possible to modify the parameters of E20, UDK20, I20 and L20 using the RPP1000 software.
RPP1000	When the unit needs to be exchanged, all settings from the old unit can be easily transferred to the new unit by using the RPP1000 software. Additionally it is possible to modify the parameters of E20, UDK20, I20 and L20 using the RPP1000 software.
RPP1000	For the E20, UDK20, I20 and L20 units it is possible to perform preliminarily settings and save them. When the unit later is installed in a plant, all settings can be transferred timesaving.
RPP1000	Existing backups of data made previously with RPP XP and RPP7 software can be easily converted and transferred by using the RPP1000 software.



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2 Basic operating instructions

2.1 Program directory and operating system

The software has been developed and tested for Windows 7, Windows 8.1 and Windows 10. This program can also be used on Windows XP. However, Roland Electronic cannot guarantee that the program works correctly. We strongly recommend not using Windows XP any more.

The RPP1000 program is "Portable Software"; that means no installation is required (except for necessary drivers).

When starting RPP1000.exe the first time, the driver for the USB device will be installed.

If only units with RS232 port needed to be connected, the installation of the USB-driver can be cancelled and the comment at the program start can be suppressed.

Following directories and data will be created:

Note

- In %USERPROFILE%\Documents (My Documents) the directory "RPP1000Data" will be created. All backups will be saved here. If desired, any other directory can be selected.
- In %USERPROFILE%\Documents\RPP1000Data (My Documents\RPP1000Data) a file "RPP1000.ini" will be created. This file contains all program specific settings.

2.2 Connecting the unit to a PC

The connection for backup depends on the used unit and is via USB or RS232. When using RS232, two different cable types are used:

Unit	Plug at the unit	Cable, order number	Plug at the PC
E20-C-O; E20-4P-C-O			D-SUB 9 plug,
UDK10, E10, I10, I10K, I10KV in version C-O	D-SUB 9 plug	Order. No. 2277013	eventually connect via USB adapter.
UDK20-C-O; UDK20-2PW-C-O			
E20 with fieldbus connection	Socket M8		D-SUB 9 plug,
UDK20 with fieldbus connection	Socket M8	Order. No. SM8KRS232D9S	eventually connect via USB adapter.
UDK10, E10, I10, I10K with fieldbus connection			
120		····	
L20	USB socket type A	Order. No. 2279066	USB socket type A

Since at many current laptops no COM port with D-SUB connector is present, an RS232-USB adapter must be used for connection. The appropriate driver must be installed. Only the ports COM1-COM19 can be used. The used COM port can be changed in the device manager in Windows.



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2.3 Driver installation

When connecting E20, UDK20, E10, UDK10, I10, I10K and I10KV units, no USB driver for RPP1000 software must be installed, except for a driver for a possible connected RS232-USB adapter. This driver is normally supplied with the adapter or must be downloaded from the manufacturer's website.

When connecting I20 and L20 devices, a USB driver must be installed once. The USB driver is supplied with the software RPP1000. At start up, all missing drivers will be reported.

If the driver has not been installed at the beginning, this can be performed later accessing the "*Options*" menu.



Note

If only units with RS232 port needed to be connected, the installing of the USB-driver can be stopped and the comment at program start can be suppressed.

2.4 Program functions

Following actions can be selected directly from the symbol bar:



Fig. 1: Program functions

Symbol	Actions
	Opens an existing data backup
	Saves the currently loaded data backup
	Download (read) the parameters form the Roland R1000 unit
	Upload (write) the parameters to the Roland R1000 unit

Note These and other actions can also be selected from the menu bar.



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2.5 Options – select language and install driver

RPP1000				
File Edit Transfer Options Help				
	Select language	Deutsch	1	
	Install USB driver	English		

Fig. 2: Select the options language and driver

From the menu item "Options" it is possible to select the menu language German (Deutsch) and English.

It is possible to add additional languages; please contact Roland Electronic.

From the menu item "Options" it is also possible to install the USB driver for the units I20 and L20.

2.6 Download (read) from a device

ERPP1000 \		
File Edit Transfer Options Help		
Read from device Write to device	1	

Fig. 3: Download (read) from the unit

For the download of system and program parameters, the interfaces COM 1-19 are scanned for connected devices.

The Roland device must be in backup mode and connected via the backup cable to the PC.

After successful reading the following message appears:



Fig. 4: Read from device



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2.7 Upload (write) to a device

RPP1000 '		
File Edit	Transfer Options Help	
	Read from device Write to device	/

During the upload of system and program parameters, the interfaces COM 1-19 are scanned for connected devices.

The Roland device must be in backup mode and connected via the backup cable to the PC.

After successfully writing the following message appears:

Informat	ion
1	Write to device finished Data write process has successful finished.
	Ok

Fig. 6: Write to device finished

Attention The data on the unit will be overwritten without confirmation.

After successful writing data onto a unit, a zero adjust respectively a calibration has to be done.

Fig. 5: Upload to a device



2.8 Comments in data backup

A comment of up to 255 characters can be entered to describe the backup:

RPP1000				
File Edit Transfer Options Help				
E20-4P-DN-S E20-4P-DN-S-FP E20-4P-DNT-S E20-4P-DNT-S-FP		Comment: Default (248 chars	Default	
Unit:	E20	available)	4	
Interface to PLC:	DeviceNet	Last modificatio	016-04-01	
Maximum of sensor channels:	4			
Version:	user			
System parameter Program parameter				
Language	nglish 🔺			
display value in n	ım			

Fig. 7: Comments in data backup

2.9 Change unit type

Changing the unit type (*interface to the PLC and maximum number of measurement stations*) is only possible for the units E20, UDK20, I20 and L20.

The unit type can be changed in the menu item "File - Change interface to PLC" and "File - Change maximum of sensor channels" In the yellow shaded box the effect of this change is displayed.

This change can have different effects, depending on the unit.

These effects are described as follows:



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2.9.1 Unit type - change interface to PLC

RPP1000 \						
File Edit Transfer Optio	File Edit Transfer Options Help					
E20-4P-CP-S E20-4P E20-4P-COP-S E20-4P	-CP-S-FP -COP-S-FP	Effect of changes of the selected value: All fieldbus parameters are cleared. Language polish				
Unit:	E20	changed automatically				
Interface to PLC:	CANopen					
Maximum of sensor channels:	CANopen DeviceNet					
Version:	EtherNet/IP Interbus	Accept Abort				
System parameter Program p	CC-LINK ControlNet					
Language	PROFINET IO					
display value in m	im					

Fig. 8: Unit type - change interface to PLC

Device	Message	Effect
L20 I20	"All fieldbus parameters are cleared."	The corresponding fieldbus configuration options such as <i>bus address</i> and <i>baud rate</i> are set to a default value, if necessary, are deleted or added. When, for example, <i>DeviceNet</i> to <i>ProfiNet IO</i> is changed, the <i>baud rate</i> and the <i>bus address</i> will be deleted. When changing from <i>DeviceNet</i> to <i>CanOpen</i> the <i>baud rate</i> and the <i>bus address</i> is set to the default value. For conversion to <i>I / O via optocoupler</i> or from <i>I / O via optocoupler</i> the non-existent parameters will be deleted or added.
E20	"All fieldbus parameters are cleared. Language polish and sensor P128 may not be possible and may be changed automatically."	The corresponding fieldbus configuration options such as <i>bus address</i> and <i>baud rate</i> are set to a default value, if necessary, are deleted or added. When, for example, <i>DeviceNet</i> to <i>ProfiNet IO</i> is changed, the <i>baud rate</i> and the <i>bus address</i> will be deleted. When changing from <i>DeviceNet</i> to <i>CanOpen</i> the <i>baud rate</i> and the <i>bus address</i> is set to the default value. For conversion to <i>I / O via optocoupler</i> or from <i>I / O via optocoupler</i> the non-existent parameters will be deleted or added. At <i>I / O via optocoupler</i> this also relates to the non-existent <i>sensor type P128</i> and the unavailable <i>language Polish</i> .
UDK20	"All fieldbus parameters are cleared. Language polish may not be possible."	The corresponding fieldbus configuration options such as <i>bus address</i> and <i>baud rate</i> are set to a default value, if necessary, are deleted or added. When, for example, <i>DeviceNet</i> to <i>ProfiNet IO</i> is changed, the <i>baud rate</i> and the <i>bus address</i> will be deleted. When changing from <i>DeviceNet</i> to <i>ProfiNet</i> the <i>baud rate</i> and the <i>bus address</i> is set to the default value. For conversion to <i>I / O via optocoupler</i> or from <i>I / O via optocoupler</i> the non-existent parameters will be removed or added. At <i>I / O via optocoupler</i> this also relates to the unavailable <i>language Polish</i> .



2.9.2 Unit type - change maximum number of sensor channels

RPP1000 \	engen Richton (1000) eineren Richton (1000) einer einer einer sonnen einer sonnen einer sonnen einer sonnen eine
File Edit Transfer Options Help	
E20-4P-CP-S E20-4P-CP-S-FP E20-4P-COP-S E20-4P-COP-S-FP	Effect of changes of the selected value: Some system and program parameters are adjusted.
Unit: E20	
Interface to PLC: CANopen	
Maximum of sensor channels: 4	
Version:	Accept Abort
System parameter Program parameter	
Language English 🔺	
display value in mm	

Abb. 9: Unit type change maximum number of sensor channels

Device	Message	Effect
E20 "S pr ac	"Some system and program parameters are adiusted."	When the <i>maximum of sensor channels</i> is extended from 1 to 4, the system parameter <i>display value in %(mm) or %(inch)</i> cannot be used. Values will be converted to <i>mm</i> or <i>inch</i> .
		If the <i>maximum</i> of sensor channels is reduced from 4 to 1, the system parameter <i>number of sensors</i> is set to 1.
		In the program parameters the deselected sensors are removed at the sensor number / sequence and the associated Teach-In value is cleared.
120		When the <i>maximum of sensor channels</i> is changed, the system parameter <i>number of sensors</i> is reduced to 1.
		In the program parameters the deselected sensors are removed at the sensor number and the associated <i>Teach-In</i> value is cleared.
L20		When the <i>maximum of sensor channels</i> is reduced from 3 to 1 the system parameters value <i>number of measuring channels</i> is reduced to 1. In the program parameters the deselected sensors are removed at the active measuring channel.
UDK20		When the <i>maximum of sensor channels</i> is changed, the system parameter <i>number of sensors</i> is reduced to 1. In the program parameters, the deselected sensors are removed at the <i>sensor number</i> and the associated <i>Teach-In</i> value is cleared.
		If the maximum of sensor channels is reduced from 2 to $1/4$ (with SSB), the system parameter number of sensors is set to 1.
		In the program parameters the deselected sensors are removed at the sensor number / sequence and the associated Teach-In value is cleared.



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2.10 Edit system parameter (change)

Changing values in system parameters is possible only for the units E20, UDK20, I20 und L20.

ERP1000						
File Edit Transfer Op	tions Help					
	-		1			
E20-4P-CP-S E20-4 E20-4P-COP-S E20-4	P-CP-S-FP P-COP-S-FP		Comment: (248 chars	Default		
Unit:	E20		available)			
Interface to PLC:	CANopen		Last modification:	2016-04-01		
Maximum of sensor channels	: 4					
Version:	user					
System parameter Program	parameter					
Language	English	*				
display value in	mm					
Bus-readout value in	mm					
Reserve						
Bus address	1					
Bus baudrate	125 kbps					
Password active	yes					
sensor type	P42AGS					
number of sensors	4					
sensor selection	by extern input					
Reserve						
measurement mode	extern single					
Reserve						
external measurement start	INO	Ŧ				
Parameter: sensor type			Effect of changes	of the selected value:		
P42AGS		N	Some program pa	rameters are aujusted.		
P30GS P36GS/P34S	P30GS P36GS/P34S					
P42GS P42AGS						
P75GS/P75S P75VGS/P75VS P128GPPS			Accept	Abort		

Fig. 10: Change values in system parameter



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2.10.1 Effects of changing values of the system parameters

When changing values, the effect of this change is shown in the yellow shaded field. This change may vary depending on unit configuration and may have different effects. These effects are described here.

Message: "Fixed value. Read only from unit."

Unit	Changing	Effect
All	Not possible	This value is determined by the device during the Teach-in process. A manual changing of the value is not possible. The value is displayed for diagnostic reasons only.

Message: "Some program parameters are adjusted."

Unit	Changing	Effect
E20	System parameter Sensor type	Nominal thickness, lower and upper threshold are set to standard values.
	System parameter Number of sensors	When the system parameter <i>number of sensors</i> is reduced, so the program parameters in the sensor number / sequence the deselected sensors are removed and the associated Teach-In value is cleared.
120	System parameter Unit type	<i>Nominal thickness</i> and <i>Material</i> are set to standard values and the <i>Teach-In</i> Value is cleared.
	System parameter Number of sensor pairs	When the <i>number of sensor pairs</i> is reduced, then in the program parameters at the <i>sensor number / sequence</i> the deselected sensors are removed and the associated Teach-In value is cleared.
UDK20	System parameter Number of sensors	When the system parameter <i>number of sensors</i> is reduced, so at program parameters in the <i>sensor number</i> , the deselected sensors will be removed; the <i>material</i> , the <i>conductivity</i> are set to default value and the Teach-In value is cleared.

Message: "At all program parameters the Teach-In is cleared."

Unit	Changing	Effect
120	System parameter Sensor type	The Teach-In value is cleared at the program parameters.

Message: "At all program parameters the Nominal thickness is cleared."

Unit	Changing	Effect
L20	System parameter Sensor type	The Nominal thickness is set to standard value.

Message: "The nominal thickness of each program is converted. Rounding errors may occur."

Unit	Changing	Effect
All	System parameter Display of Measuring value in	When switching the measured value from mm to inches or vice versa, the nominal thickness in all program parameters will be converted. This can lead to rounding errors.



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2.11 Edit program parameters (change, copy, delete)

The editing of values is possible only at the units E20, UDK20, I20 und L20.

E20-4P-CP-S E20-4P-CP-S-FP E20-4P-COP-S E20-4P-COP-S-FP					Comment: (248 chars		Default			
Unit: E20			available)							
Interface to PLC: CANopen			Last modi							
Maximum of sensor channels: 4			-							
maximum or sensor channels; 4										
version:		user								
System parameter	Program p	paramete	er							
Program number	Reserve	n	nominal thickness	lower t	hreshold [%	upper th	reshold [9	1-sheet teach-in №	1-sheet teach-in	
1		0	0.03	80		120		1.000000	1.000000	
2		C	0.03	80		120		1.000000	1.000000	
3		0	0.03	80		120		1.000000	1.000000	
4		C	0.03	80		120		1.000000	1.000000	
5		0	0.03	80		120		1.000000	1.000000	
6		0	0.03	80		120		1.000000	1.000000	
7		0	0.03 80			120		1.000000	1.000000	
8		0	0.03	80	120		1.000000	1.000000		
9		0	0.03	80	120		1.000000	1.000000		
10		0	0.03	80		120		1.000000	1.000000	
11		0	0.03	80		120		1.000000	1.000000	
12		0	0.03	80	0 120			1.000000	1.000000	
10 11 12 < Parameter: nomin	al thickness	[mm]	0.03 0.03 0.03	80 80 80	Effect o Teach-ir upper tr	120 120 120 f changes of actua eshold ma	s of the se I program ay be limite	1.000000 1.000000 1.000000 lected value: m is cleared. Maxim ed	1.000000 1.000000 1.000000	

Fig. 11: Edit program parameter

It is possible to copy and delete more than one program.

The functions can be accessed via the edit menu or the context menu of the right mouse button.





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RPP1000	antistic 0 -		-		11/121	200	Dete		(ILLIGHTS)	-baar Pa	Auronterber (
File Edit Tran	sfer Optio	ons l	Help								
		-									
E20-4P-CP-S E20-4P-COP-S	E20-4P E20-4P	-CP-S -COP-	-FP S-FP			Corr (248	nment: 8 char:	: S	Default		
Unit: E20					ava	ilable)					
Interface to PLC: CA		CANo	Nopen			Last modification: 2016-04		2016-04-	-01		
Maximum of senso	Maximum of sensor channels: 4										
Version:		user									
System parameter	Program p	arame	ter								
Program number	Reserve		nomina	l thickness	lower t	hresh	old [%	upper th	nreshold [9	1-sheet tea	ach-in M 1-she
1			0.03		80			120		1.000000	1.00
2	`opv				Ctrl+0	:	1	120		1.000000	1.000
3	Copy Citi			Straul	,		120		1.000000	1.000	
4	aste				Suge			120		1.000000	1.000
5 C	elete select	ted pro	ogram	Shif	t + De	L		120		1.000000	1.000
6 C	elete all pr	ogram	s	Ctr	I + De	L		120		1.000000	1.000
7		_	_		_	_		120		1.000000	1.000

Fig 12: Copy or delete program parameters

2.11.1 Effects of changing values of program parameters

When changing values, the effect of the change is shown in the yellow shaded field. This change may vary depending on device configuration and have different effects. These effects are described here in detail.

Unit	Changing	Effect
AII	Not possible	This value is determined by the device during the Teach-in process. A manual changing of the value is not possible. The value is displayed for diagnostic reasons.

Message: "Fixed value. Read only by the unit."

Message: "The Teach-In is deleted depending on selection."

Unit	Changing	Effect
120	Program parameter Sensor number / Sequence	When the program parameter <i>Sensor number / Sequence</i> is reduced, the corresponding Teach-In value will be cleared.



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Unit Effect Changing E20 When the program parameter Sensor number / Sequence Program parameter Sensor number / Sequence is changed, the corresponding Teach-In value will be cleared. 120 Program parameter When the program parameter Nominal thickness is Nominal thickness changed, the Teach-In value will be cleared. UDK20 Program parameter When the program parameter Sensor number is changed, Sensor number the Teach-In value will be cleared. Program parameter When the program parameter Material is changed, the Teach-In value will be cleared. Material

Message: "The Teach-In is deleted in the actual program"

Message: "The Teach-In is deleted in the actual program. The maximum upper threshold can be limited"

Unit	Changing	Effect
E20	Program parameter	When the program parameter <i>Nominal thickness</i> is changed, the Teach-In value will be cleared.
UDK20	Nominal thickness	The maximum measurable thickness of the used sensor is limited. For technical reasons, the <i>upper threshold</i> will be reduced at a big <i>Nominal thickness</i> .

Message: "Maximum upper threshold may be limited"

Unit	Changing	Effect
E20 UDK20	Program parameter Upper threshold	The maximum measurable thickness of the used sensor is limited. For technical reasons, the <i>upper threshold</i> will be reduced at a big <i>Nominal thickness</i> .



2.12 Create new

With the function "File - New" a new unit configuration with default settings can be created.

Choose the appropriate unit type from the list:

			×
	• ⁴ 9	Default search	٩
			- 8 0
		÷=	-
Name	Date modified	Туре	Size
E20-4P-CC-S.rppd	06.04.2016 10:33	RPPD-File	55 ≡
E20-4P-CN-S.rppd	06.04.2016 10:33	RPPD-File	55
E20-4P-C-O.rppd	06.04.2016 10:33	RPPD-File	28
E20-4P-COP-S.rppd	06.04.2016 10:33	RPPD-File	55
E20-4P-CP-S.rppd	06.04.2016 10:33	RPPD-File	55
E20-4P-C-R.rppd	06.04.2016 10:33	RPPD-File	28
E20-4P-DN-S.rppd	06.04.2016 10:33	RPPD-File	55
E20-4P-DNT-S.rppd	06.04.2016 10:33	RPPD-File	55
E20-4P-EN-S.rppd	06.04.2016 10:33	RPPD-File	55
E20-4P-ET-S.rppd	06.04.2016 10:33	RPPD-File	55
E20-4P-IN-S.rppd	06.04.2016 10:33	RPPD-File	55
E20-4P-PN-S.rppd	06.04.2016 10:33	RPPD-File	55
E20-4P-PR-S.rppd	06.04.2016 10:33	RPPD-File	55
E20-CC-S.rppd	06.04.2016 10:33	RPPD-File	55
E20-CN-S.rppd	06.04.2016 10:33	RPPD-File	55 👻
	III		•
	-	RPPD datafiles(*.	RPPD) 🔻
		Open	Cancel
A set an			

Fig. 13: Create new

Afterwards, the individual settings can be adjusted and saved.

2.13 Import old data backups

Existing data backups created with the software RPP XP (*.rpp) and RPP7 (*.rpp7) can be imported.

These files can be selected via "File - Open".

They are converted automatically after opening to the actual RPP1000 file format. Afterwards they can be saved in this format (*.rppd).

Existing backups of RPP WIN and RPP DOS software cannot be imported.

Data backups with version 8.xx of the RPP1000 software can no longer be used because problems can occur. Please secure your units with version 9 again. If the existing data backups are required, please send them for conversion to info@roland-electronic.com.



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2.14 Save / Save as ...

The current backup can be saved in "*File – Save*" and "*File – Save as…*" The suggested location for saving is the last used directory. The default location is recommended: %USERPROFILE%\Documents\RPP1000Data (MyDocuments\RPP1000Data).

2.15 Export as PDF / Print

The currently open data can simply be exported via "*File - Export as PDF*". The data will be stored as plain text in a PDF file. A PDF printer is not necessary.

The currently open data can also be printed by selecting "File - Print."



Attention The printout can be up to 90 pages!

2.16 Help

Via the menu item "Help" you get to this file and to general information about the RPP1000 software.

RPP1000	Cittamore		toria P	120101001 -1	0.000	dis Pilianeteric)
Datei Bearbeiten Datenü	bertragung	Optionen	Hilfe	2		_
			Programmhilfe (PDF)			
				Über RPP1000		
E20-4P-CP-S E20-4P- E20-4P-COP-S E20-4P-	E20-4P-CP-S E20-4P-CP-S-FP E20-4P-COP-S E20-4P-COP-S-FP			Kommentar: Default (248 Zeichen	Default	
Gerät:	E20			verbleiben)		
Schnittstelle zur SPS: CANopen			Letzte Änderung:	2016-04-01		
Maximale Anzahl Messstellen: 4						
Version:	user					

Fig. 14: Help



RPP1000 Software

3 Troubleshooting, fault analysis

3.1 An error message is shown on the display of the R1000 unit

If an error is shown on the R1000 units display, please read the corresponding manual how to fix it.

3.2 Communication failed

Error	2
\otimes	Communication failed
	No device connection or device not in backup mode! Please check cable and device settings.
	Ok

Fig. 15: Communication failed

Reason: The software could not detect any connected unit. Please check:

- Is any unit connected via USB or RS232?
- Is the unit in data backup mode?
- Only units with COM1 to COM19 interface are read. Change if necessary. The interface can be selected in the device manager from Windows.

3.3 Wrong device type

Error	
	Wrong device type
	The type of the connected device does not match with the current data! Communication aborted.
	Ok

Fig. 16: Wrong device type

While restoring the device backup the data backup and the connected unit do not match. Connect the appropriate unit or adjust the backup to the device.

This error may also occur if no device is connected to the PC or if a problem with the cables or connectors has occurred.



Check that all connectors are plugged in correctly or the cables are not damaged.



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Troubleshooting, fault analysis

3.4 Invalid value

Error		
8	Invalid value	
	The new parameter value is out of range.	Ok

Fig. 17: Invalid value

The entered value of this input field is out of range. Please correct the value accordingly.

3.5 File open failure

Error	
8	File open failed Unsupported file type!
	Ok

Fig. 18: File open failure

The file does not have the structure of a RPP1000 backup and cannot be read.

Attention Data backups with version 8.xx of the RPP1000 software can no longer be used because problems can occur. Please secure your units with version 9 again. If the existing data backups are required, please send them for conversion to info@roland-electronic.com.



Troubleshooting, fault analysis

3.6 Timeout during Communication

Error	
	Communication timed out
	A timeout erro occured during data transfer! Transfer process aborted, you should restart RPP1000 and your device!
	Ok

Fig. 19: Timeout during communication

During the transfer a timeout occurred. The data could not or only partially be transferred. Please check the cable, if the unit is still in backup mode and try to upload again. Otherwise, please restart again the RPP1000 software and your device.



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Frequently Asked Questions (FAQ)

4 Frequently Asked Questions (FAQ)

4.1 Which cable is required for connecting the unit?

For a unit with RS232 connection: a cable with the order no. SM8KRS232D9S or 2277013 is required, depending on the connection at the device.

For a unit with a USB connection: a cable with the order no. 2279066 is required.



4.2 Which operating system is required for the RPP1000 software?

The software has been developed and tested for Windows 7, Windows 8.1 and Windows 10. Although the software runs on Windows XP too, Roland Electronic does not guarantee that it works correctly. We strongly recommend not using Windows XP any more.

4.3 Can the software read old backup files and transfer them to units?

Files that were created with the RPP XP and RPP7 software can be read by the RPP1000 software. The files are automatically converted to the new RPP1000 format and can be uploaded to units. Old backups from RPP WIN and RPP DOS software cannot be read any more.



Data backups with version 8.xx of the RPP1000 software can no longer be used because problems can occur. Please secure your units with version 9 again. If the existing data backups are required, please send them for conversion to info@roland-electronic.com.

4.4 Is RPP1000 software available in my language too?

The RPP1000 software is available by default in German and English. Other languages can be created and added. Please contact Roland Electronic.



RPP1000 Software

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5 Glossary - Terminology

R1000 units	Roland Electronic unit types: E20, I20, L20, UDK20, E10, UDK10, I10, I10K, I10KV.
*.rpp file	File containing system and program parameters, used by RPP XP, RPP WIN and RPP DOS software.
*.rpp7 file	File containing system and program parameters, used by RPP7 software.
*.rppd file	File containing system and program parameters, used by RPP1000 software.
*.rppx file	Descriptions file for each unit for parameter interpretation, used by RPP1000 software.
System parameter	General settings of the Roland Electronic unit.
Program parameter	Settings for the measuring program e.g. the nominal thickness.



Glossary - Terminology

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