



R-NET PROGRAMMING SOFTWARE - DEALER

**ELECTRONIC MANUAL** 

SK78809/2

#### © PG Drives Technology 2009

#### All rights reserved.

This manual is furnished under copyright and may only be used in accordance with the terms laid out by PG Drives Technology.

The information in this manual is furnished for informational use only, is subject to change without notice, and should not be construed as a commitment by PG Drives Technology.

Except as permitted by such terms, no part of this manual may be reproduced, stored in a retrieval system, or transmitted, in any form or be any means electronic, mechanical, recording, or otherwise - without the prior written permission of PG Drives Technology. +44 (0)1425 271444

# **Table of Contents**

A	About this manual			
C	hapto	er I - Introduction5		
1		Introduction		
2		Hardware		
3		Security		
C	hapto	er 2 – USER GUIDE7		
1		Connecting to a Control System		
2		Operation Initiation		
3		The Application Window9		
	3.1	Drop Down Menus10		
	3.1.1	File		
	3.1.2	Edit10		
	3.1.3	Controller		
	3.1.4	Tools		
	31.5	View12		
	3.1.6	Help12		
	3.2	Toolbar		
	3.3	Programming Area		
	3.3.1	Parameters on Screen		
	3.3.2	Help text		
	3.3.3	Warning Text		
	3.3.4	Copying Parameters		
	3.4	Status Bar14		
4		Reading System (Diagnostics) Logs14		
5		Diagnostic Tests		
	5.1	PM Tests16		
	5.2	ISM Status17		
	5.3	JSM Status		
	5.4	Joystick Status		
6		Upgrades		

# About this manual

The Technical Manual gives an introduction to the R-net Programmer. Throughout the manual icons are used to draw the reader's attention. The icons used are:



Note - A general point for best practice.



Caution - A point of safety which if ignored could result in damage to the Control System or the vehicle.



Warning - A point of safety which if ignored could cause injury to the individual.

PG Drives Technology accept no liability for any losses of any kind if the points are not followed.



**CHAPTER I - INTRODUCTION** 

## I Introduction

The R-net Programmer software allows R-net Control Systems to be programmed with a PC. In addition to programming, the R-net Programmer can be used to perform diagnostic operations on the vehicle's electrical system.

The main advantage of using programmable Control Systems is that they can be easily tailored to the specific needs and capabilities of a particular vehicle while taking into account safe performance characteristics.

The programmable Control System achieves this great flexibility by referring to a set of internal parameters that govern factors such as the vehicle's speed, acceleration and braking. These parameters can be changed using the OBP Mode in the R-net or the R-net PC Programmer.



It is possible to set up a Control System so that it is unsuitable for some users or even some vehicles. For all of the above reasons it is important that you contact PG Drives Technology if you have the slightest doubts or if you need any advice on programming.



Programming and diagnostics should only be conducted by healthcare professionals with indepth knowledge of PG Drives Technology electronic Control Systems. Incorrect programming could result in an unsafe setup of a vehicle for a user. PG Drives Technology accept no liability for any losses of any kind if the programming of the Control System is altered from the factory preset values.

## 2 Hardware

The R-net Programmer pack comprises of the following items:

- R-net Programmer CD ROM
- R-net Programming Dongle D50609
- USB Connection Cable
- Installation Manual (Hardcopy in Packaging)

## 3 Security

If a file has been created by an OEM Programmer, it will first be necessary to make a copy of the file if you wish to edit it.

R-NET PROGRAMMER



**CHAPTER 2 – USER GUIDE** 

## I Connecting to a Control System

The USB connection cable connects the PC to the R-net Control System via the R-net Programming Dongle. The Dongle can be connected to any point of the Control System.

To attach the Control System to the PC use the USB Cable as follows:

- Insert the USB plug into a spare USB slot on the PC.
- Insert the other end of the USB Cable into the Dongle.
- Switch the Control System ON.

See the following diagram.





The control unit must be connected and ON before program transfer can be achieved.

Check the Status Bar to see if the connection is correct. Refer to section 3.4.

Ensure the PC Programmer cable has been disconnected from the Control System before you start driving.

### 2 Operation Initiation

PC Programmer can be used to edit existing Control Systems or to perform initial programming acts. Once a program has been loaded into PC Programmer editing tasks can be performed at any time.

Upon opening PC Programmer the following warning window will appear. It is important that this warning is read and understood before programming commences.

	Warning	
Programming should only b control systems. Incorrect iability for losses of any ki	ee conducted by healthcare professionals with in-depth knowledge of PG Drives Techn programming could result in an unsafe set-up of a wheelchair for a user. PG Drives Te nd if the programming of the control system is altered from the factory pre-set values	ology electronic chnology accept no
The user of this software safe to drive at all times w iability for losses of any ki	is responsible for ensuring that the values programmed into the controller guarantee t hen used within the boundaries of its permitted driving conditions. PG Drives Technok nd arising from failure to comply with this condition.	hat the vehicle is ogy accepts no
Certain programmable pa parameters and functions parameter or carry out sy for losses of any kind if th When the this programme vehicle may be affected. If environments that are EM with this condition.	rameters and diagnostic functions have specific warnings which must be read and und will have Warning next to them. Clicking Warning will show you the warning. You shou stem diagnosis when you have read and understood the warning. FO trives Technolog e user of this software does not read, understand or ignores these warnings. r is connected to a wheelchair or scooter, the electromagnetic compatibility (BMC) per Joconnect the equipment as soon as programming is complete and do not use this equ C sensitive. PG Drives Technology accepts no liability for losses of any kind arising from	lerstood. These Id only adjust this gy accept no liability formance of the ipment in n failure to comply
	If you have read and understood the above information, please press this button	Continue
	If you do NOT want to continue, please press this button	Exit

Clicking Continue opens the Programmer Window.

To begin using the PC Programmer one of three things must occur:

- A New file must be opened.
- An existing file must be opened.
- A file must be read from a Control System.

# 3 The Application Window

ample Settings.R-net - PGDT R-	net progr	ammer								
<u>E</u> dit <u>C</u> ontroller Tools <u>V</u> iew	Help									
🖻 🖬   X 🖻 🖻 🎒 🚦	P <sub>P</sub> (h) ·	o <b>,</b> i <b>↓</b> ·		a 🕑 🚚 🗄	ĪF					
Parameter	1									
Profile Management	Profile 1	Profile 2	Profile 3	Profile 4	Profile 5	Profile 6	Profile 7	Profile 8		
Configuration	Mode 1	Mode 2	Mode 3	Mode 4	Mode 5	Mode 6	Mode 7	Mode 8		
Mode Name	Drive	Seating	Bluetooth	Environmental	Mode 5	Mode 6	Mode 7	Programming		
Input	Drive	Seating	Raw	Raw	Raw	Raw	Raw	Programming		
Output	Drive	Seating	Mouse	Environmental	Output 5	Output 6	Output 7	Programming		
Speeds	Profile 1	Profile 2	Profile 3	Profile 4	Profile 5	Profile 6	Profile 7	Attendant		
Maximum Forward Speed	30 %	40 %	60 %	80 %	100 %	100 %	100 %	40 %		
Minimum Forward Speed	10 %	15 %	20 %	25 %	30 %	30 %	30 %	15 %		
Maximum Reverse Speed	30 %	35 %	40 %	45 %	50 %	50 %	50 %	35 %		
Minimum Reverse Speed	10 %	15 %	20 %	25 %	30 %	30 %	30 %	15 %		
Maximum Turning Speed	20 %	25 %	30 %	35 %	40 %	40 %	40 %	25 %		
Minimum Turning Speed	10 %	10 %	15 %	20 %	20 %	20 %	20 %	10 %		
Maximum Forward Acceleration	30	35	40	45	50	50	50	35		
Minimum Forward Acceleration	15	20	20	20	25	25	25	20		
Maximum Forward Deceleration	40	45	50	55	60	60	60	45		
Minimum Forward Deceleration	20	25	25	25	30	30	30	25		
Maximum Reverse Acceleration	30	35	40	45	50	50	50	35		
Minimum Reverse Acceleration	15	20	20	20	25	25	25	20		
Maximum Reverse Deceleration	30	30	40	45	45	45	45	30		
Minimum Reverse Deceleration	15	20	20	20	25	25	25	20		
Maximum Turn Acceleration	30	35	40	45	50	50	50	35		
Minimum Tum Acceleration	15	20	20	20	25	25	25	20		
Maximum Turn Decleration	40	45	50	55	60	60	60	45		
Minimum Tum Decleration	20	20	25	30	30	30	30	20		
Power	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %		
Torque	80 %	80 %	80 %	80 %	80 %	80 %	80 %	80 %		
Tremor Damping	0 %	0 %	0 %	0 %	0 %	0 %	0 %	0 %		
Fast Brake Rate	80	80	80	80 ,	80	80	80	80		
Controls										
🛛 🔶 Global						•••••				
Joystick	Profile 1	Profile 2	Profile 3	Profile 4	Profile 5	Profile 6	Profile 7	Attendant		
>	<									
lo, press E1			NUM				App: OEM	File: OEM	R-net N	ot Con

For ease of description the application window will be separated into 4 different sections. These are:

- 3.1 Drop Down Menus
- 3.2 Toolbars
- 3.3 Programming Area
- 3.4 Status Bar

#### 3.1 Drop Down Menus

#### 3.I.IFile



This menu contains standard Windows functions – New, Open, Close, Save, Save As, Print, Print Preview, Print Setup and Send.

When opening a New file, this will be the standard R-net template with PGDT default values. Refer to the Upgrades section of this manual to ensure you have the most recent template. You can still use older templates, but they may not contain all the latest parameters.

When printing, the print content will be as displayed on the screen, i.e. parameters within closed branches will not be shown.

#### 3.I.2 Edit



- Copy Profile This is a facility allowing you to quickly transfer the contents of one Profile to another Profile. On the left-hand side of the dialogue box, simply select the Profile you wish to copy, then on the right-hand side of the box select the Profile you wish to copy to. To make the copy, click the  $P \triangleright_{P}$  symbol in the center of the box.
- Find This is a useful facility to find a parameter quickly. Simply type in one word of the parameter name.
- Undo This allows you to undo any changes you have made to a file since it was last saved.

#### 3.I.3 Controller

Ele g	dit <u>C</u> o	ntroller Tools <u>V</u> iew	Help		
0 🖻		Read from Controller	2 00 -		1
10 📚 P	rofile 🗛	Unlock	ofile 1		Ę.
E 10 0	onfiguratio	מה	Wode 1		Ň
	] Mode	Name	Drive	Seating	B
	Input		Drive	Seating	R
	Output	t	Drive	Seating	M
= (2) S	peeds				P
	Maxim	um Forward Speed	30 %	40 %	6
	Minim	um Forward Speed	10 %	15 %	2
	Maxim	um Reverse Speed	30 %	35 %	4
	Minim	um Reverse Speed	10 %	15 %	2
	Maxim	um Turning Speed	20 %	25 %	3
-	Minim	um Turning Speed	10 %	10 %	1
	2				

#### Read from Controller -

Reads and displays the programming file from the controller. Note: you may see branches on the PC Programmer relating to modules that are not presently connected. These branches can just be ignored. The file will automatically assume a name corresponding to the serial number of the Power Module.

#### Write to Controller -

Writes the contents of the displayed file to the controller.

Unlock -

3.I.4 Tools

If the Control System is locked, you can unlock it with this command in order to program.

B Sample Setting	s.R-net	- PGDT F	R-net progr	ammer		
Ele Edit Control	er Too	ls ∐iew	Help			
	5 I .	Diagnosti	cs	0	£.	
Param	eter 💊	System L	ogs			
🛞 🎨 Profile Manager	nent 🕑	System Timers		Profile 2		
🖃 🛄 Configuration		System T	ests 🕨	Mode 2		
Mode Nam	e	Distance	Carolin II.	Seating	B	
Input		Configure	2	Seating	F	
Output			Duve	Seating	N	
🖃 🕼 Speeds						
Maximum F	orward Sp	beed	30 %	40 %	6	
Minimum Forward Spe		eed	10 %	15 %	2	
Maximum P	leverse S	peed	30 %	35 %	4	
Minimum R	everse Sp	eed	10 %	15 %	2	
Maximum T	uming Sp	eed	20 %	25 %	3	
Minimum Tr	umina Sp	eed	10 %	10 %	1	

Diagnostics -If the Control System is tripped, i.e. has detected an error, this command will give you details of the error.

- This views the system's diagnostic logs. See section Reading System (Diagnostics) Logs for more System Logs details.
- System Timers -This views the timers of each of the connected system modules. Note, not all modules have a timer facility.
- System Tests -This facility allows you to carry out some diagnostic tests on the system. Refer to section Diagnostics Tests for more details.
- Distance -This displays the total and trip distance travelled by the wheelchair (Power Module). The trip distance can be reset from a CJSM or Omni by entering the Settings menu.
- Configure -This contains options for the screen display and how parameters are edited. You can also set a user name here.

#### 31.5 View

Sample Settings.R-net - P	GDT	R-net progr	amme	)r	
Ele Edit Controller Tools	Viev	Expand Tree Collapse Tree		4	ŧ.
Profile Management Qui Configuration	S	Save layout		le 2 e 2	
Mode Name		Docking aids	•	ing ing	B
Output		Toolbars	► Pro	ing Te 2	M
Maximum Forward Speed	d I	30 % 10 %	40 15	7a %	6
Maximum Reverse Spee	d d	30 % 10 %	35 15	% %	4
Maximum Turning Speed	ł.	20 % 10 %	25 10		3 1

Expand Tree – This expands the display so that all parameters are visible

Collapse Tree –	This closes the display up	, such that only the	major branches are visible.
-----------------	----------------------------	----------------------	-----------------------------

- Save Layout This allows you to save your preferred screen layout format. The format is stored in a file with an extension .lyo.
- Load Layout This loads a layout file.

Docking Aids – This is a standard Windows type utility that sets the way active windows mesh with each other.

### 3.I.6 Help



Help Topics -

This allows you to search for help text on any R-net topic.

About R-net – This presents information relating to the software versions being used by the PC Programmer.

#### 3.2 Toolbar

The toolbar icons are shortcuts to the most regularly used functions within the drop down menus.

#### 3.3 Programming Area

All adjustments to the program parameters are made within this window.

#### 3.3.1 Parameters on Screen

The R-net Power Module may contain parameters for modules that are not actually connected in a system, for example, an Input/Output Module (IOM). This is because manufacturer's default values for this module are pre-loaded into the Power Module, so that when an IOM is connected, it will automatically assume preferred values for its parameters. This means you may see branches on the PC Programmer relating to modules that are not presently connected. These branches can just be ignored.

Each programmable parameter has its own adjustable entry.

To adjust parameters move the mouse cursor to the parameter and click on the cell to be adjusted. When the setting is highlighted use your keyboard to enter the new desired setting.

Where there is a drop down menu selection, highlight the cell and then click on the new desired setting. In some instances it may be possible to select more than setting for the parameter.

#### 3.3.2 Help text

малінин і отмаги эреси	JU -10	40 %	00 %	00 %	100 -1	100 %	100 %	40.4
Minimum Forward Speed	10 %	15 %	20 %	25 %	30 %	30 %	30 %	15 %
Maximum Reverse S Sets the s	peed of the v	vheelchair wh	en the joystic	k is deflected fi	Illy forwards an	d the speed s	setting is at r	ninimum
Minimum Reverse Speed	110 %	15 %	20 %	25 %	30 %	30 %	30 %	15%

There is a short piece of help text associated with ach parameter. To read the text place the mouse cursor over the parameter name, the help text will then appear. For more detailed parameter information use the Help Topics. Refer to section 3.1.6.

#### 3.3.3 Warning Text

Where a parameter has a Warning associated with it, an *i* icon will be visible next to the parameter name. These warnings should always be read prior to adjusting the parameter.

#### 3.3.4 Copying Parameters



It is possible to copy parameters from one Profile to another in two ways. Firstly, a single cell can be dragged and dropped to another Profile; alternatively, all the parameters within a profiled branch can be drag and dropped together by drag and dropping the associated Profile name cell.

#### 3.4 Status Bar

			>
CAP NUM SCRL 1506 M2 Solenoid Brake Fault	App: OEM	File: Unrestricted	R-net Connected
7 6 5 4	3	2	ν <mark>1</mark>

The Status Bar along the bottom of the screen contains various pieces of information. There are seven panels within the bar, see below, and the information in each is as described.

1 - Connection Status

This will contain one of four messages.

No Connection –	PC Programmer is not connected to a Dongle.
R-net Not Connected –	PC Programmer is connected to a Dongle, but the Dongle is not connected to an R-net system.
Initialising System –	Connection to both a Dongle and an R-net has been made, but there is some intialising taking place.
R-net Connected –	Full communications between the PC Programmer and an R-net system.

2 – File origin

Denotes the access level of the PC Programmer Software that created the file.

3 – Access level of the PC Programmer Software.



Connecting to dongle of lower access than the software will demote the access level.

4 - Live Trip Code

Text describing any live trips that are detected.

- 5 Scroll Lock Indicator
- 6 Number Lock Indicator
- 7 CAP lock indicator

# 4 Reading System (Diagnostics) Logs

These are accessed by selecting System Logs from the Tools menu.

In the Systems Logs window, there are a further three drop-down menus - Log, File and Misc.

Log :

Read – This extracts data from each of the system modules' diagnostic logs, as well as each module's serial number and software version.

A typical log is shown below.

🚯 Sample Settings.R-net - PGDT R-net prog	grammer
Ele Edit Controller Tools View Help	0
System Logs	۱×
Log Ele Misc → Marcel Log Info + - ISM + - JSM + - JSM + - PM + - PM + - Dongle	

The Module Information branches can be expanded to show the serial number and software version. Under this branch, the content of the module's diagnostics log are listed. The order of the list is such that the most recent entries are at the top. An example of is shown as follows.



This shows that the last 3 trips have been due to the joystick being away from center at power-up. Prior to these, there were 4 instances of a brake being disconnected and, prior to that, there were 1 system error.

Print – This will print a copy of the System Logs. Regardless of how they appear on the screen, the print will show all the logs in an expanded form.

File :

Save to File –	This allows you to save the system logs to a file. The default file name will correspond to the date and the file extension will be .rnsi. While you can change the name, the extension should not be changed.
Load from File –	This allows a log file (.rnsi type) to be opened from disk and inspected.
Comments –	This allows text comments to a log file.
Send –	This will attach a log file to an email with the following information in the subject field <i>R</i> -net system log (User Name* serial number): time and date of sending mail.
	*As set in the Configure facility.

The log file will assume a name corresponding to the day's date and have an extension of .rnsi.

Misc :

Clipboard – This is a standard Windows facility that will put the log file onto the clipboard meaning it can then be pasted into other applications, such as Word.

Expand –	This expands the log file display so that all information is visible.
Collapse –	This collapses the log file display.

# 5 Diagnostic Tests

These are accessed by selecting System Tests from the Tools menu.

From here, it is possible to check the status of all modules connected to the system, as well as the joystick within the JSM.

#### 5.I PM Tests



The status of the following is displayed. Note, the system must be in Drive Mode.

Communications:	shows whether the PM is communicating to other modules.
Battery Gauge:	shows the battery gauge information that is being put onto the bus by the PM.
Battery Voltage:	shows the battery voltage that is being measured by the PM.
Battery Current:	shows the battery current that is being measured by the PM.
Voltage M1:	shows the voltage being measured by the PM on its M1 motor output.
Current M1:	shows the current being measured by the PM through its M1 motor output.
Voltage M2:	shows the voltage being measured by the PM on its M2 motor output.
Current M2:	shows the current being measured by the PM through its M2 motor output.
Heatsink Temp:	shows the temperature measured by the PM at its own heatsink.
Inhibit 2:	shows which Band* the PM's Inhibit 2 input is in.
Inhibit 3:	shows which Band* the PM's Inhibit 3 input is in.

\* For more information on Bands, refer to help topic "Inhibits Explained". Band 0 is likely to mean an inhibit switch is closed to 0V, whereas Band 3 is likely to mean an inhibit switch is opened or not connected.

#### 5.2 ISM Status

🖪 Program1 - PGDT R-net	programmer		
Eile Edit Controller Tools	View Help		
1 D 📽 🖬 🐰 🗞 🖻 🖉	5 ? _ E (	đ -	0 .
ISM Status 🛛 🕹 🛪		×	
System Must Be In Seating	Control Mode		
Communications	Ok		
Ch 1 Current Ch 2 Current Ch 3 Current Ch 4 Current Ch 5 Current Total Current Axis Direction	0.0 A 0.0 A 0.0 A 0.0 A 0.0 A 0.0 A Stationary	III	
Brake/Horn Short Left Drive Short Right Drive Short Left Indicator Short Right Indicator Short Indicator Single Bulb Fail Indicator Open Circuit	No No No No No No		
Channel 1 Up Inhibit	No	~	

The status of the following is displayed. Note, the system must be in Seating Control Mode.

Communications: shows whether the ISM is communicating to other modules.

Channel x Current	shows the current being measured by the ISM through each of its output channels.
Total Current:	show the total battery current being measured by the ISM.
Axis Direction:	shows whether the selected actuator axis is driving in the Up or Down direction, or is Stationary. The takes into account the setting of the parameter Invert Axis.
Brake/Horn Short:	shows whether the ISM is detecting a short-circuit fault on its brake light/horn output.
Left Drive Short:	shows whether the ISM is detecting a short-circuit fault on its left-hand driving lamps output.
Right Drive Short:	shows whether the ISM is detecting a short-circuit fault on its right-hand driving lamps output.
Left Ind Short:	shows whether the ISM is detecting a short-circuit fault on its left-hand indicator output.
Right Ind Short:	shows whether the ISM is detecting a short-circuit fault on its right-hand indicator output.
Ind Bulb Fail:	shows whether the ISM has detected a single bulb failure on either indicator output.
Ind Open Circuit:	shows whether the ISM has detected there is an open-circuit one or both of its indicator outputs.
Chnl x Up Inhibit:	shows whether the ISM is inhibiting Up movement in a particular channnel, as a result an external inhibit. The sourse of the inhibit will depend on the system setup and programming.
Chnl x Dn Inhibit:	shows whether the ISM is inhibiting Down movement in a particular channnel, as a result an external inhibit. The sourse of the inhibit will depend on the system setup and programming.

Inhibit 4: shows which Band\* the ISM's Inhibit 4 input is in.

Inhibit 5: shows which Band\* the ISM's Inhibit 5 input is in.

\* For more information on Bands, refer to help topic "Inhibits Explained". Band 0 is likely to mean an inhibit switch is closed to 0V, whereas Band 3 is likely to mean an inhibit switch is opened or not connected.

### 5.3 JSM Status



The status of the following is displayed. Note, the system must be in Drive Mode.

Communications: shows whether the JSM is communicating to other modules.

Horn:	shows whether the JSM is putting a horn switch signal onto the bus.
Left Indicator:	shows whether the JSM is putting a left indicators on request onto the bus.
Right Indicator:	shows whether the JSM is putting a right indicators on request onto the bus.
Left Indicator:	shows whether the JSM is putting a right indicators on request onto the bus.
Hazard Lights:	shows whether the JSM is putting a hazard lights on request onto the bus.
Brake Lights:	shows whether the JSM is putting a brake lights on request onto the bus.
Lights:	shows whether the JSM is putting a lights on request onto the bus.
Mode Changing:	shows whether the JSM is putting a request to change Mode onto the bus.
Profile Changing:	shows whether the JSM is putting a request to change Profile onto the bus.
Speed Setting:	shows the speed setting that the JSM is putting onto the bus.

#### 5.4 Joystick Status



This shows the joystick commands that the JSM is putting onto the bus.

## 6 Upgrades

If you have purchased a copy of the PC Programmer software you are eligible for free upgrades. This means each time a new programmable function is introduced, then you can upgrade you Programmer to the latest version.

To qualify for free upgrades, you need to send the following information to <u>ftprequest@pgdt.com</u>:

- Your name
- Your address
- Your organization (the organization which originally purchased the PC Programmer)
- Product type this is the number, Dxxxxx/x, which is located on the packing box.
- Product serial number this is the number, \*Hxxxxxx\*, which is located on the packing box.

Once qualification has been recognized you will then be sent an Email containing an unique username and password.

This username and password allows you to access the latest software via the <u>www.pgdt.com</u> website.

This is achieved as follows:

- Upon entering <u>www.pgdt.com</u> site locate the Service Center and click on the ACCESS FTP SITE icon.
- When prompted enter the unique username and password.
- Open the Mobility Customers folder.
- Open the Software folder.
- Open the PC Programmer folder.
- Open the Relevant Program type folder. i.e. R-net / OEM or Dealer.
- Select the latest version.



You can check the version of software you have currently installed on your PC by using the About Box in the Help pull-down menu of the Programmer.

#### PG DRIVES TECHNOLOGY

- Double-click on the .exe file to start the download.
- Follow the instructions within the Zip wizard.



Each upgrade will have a new Electronic Manual specific to that version within the selfextracting Zip.