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Model S146
ProtoLink Download Utility for Windows
PTPUtil.exe
User Manual

Document Reference : DOC-S146-UM

UMD Part Number : 9-3146-993-8

Issue : 1

Revision : 29/10/2001

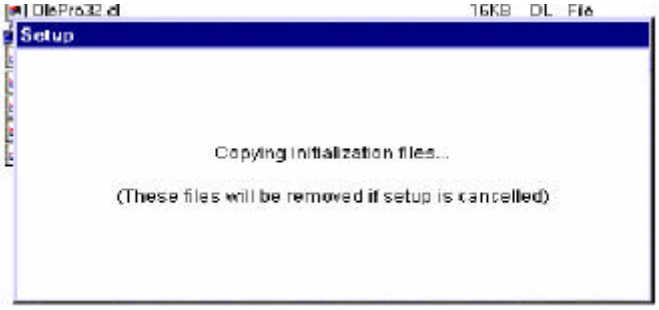
Revision History

Date	Issue	Comments
29/10/2001		Issue 1

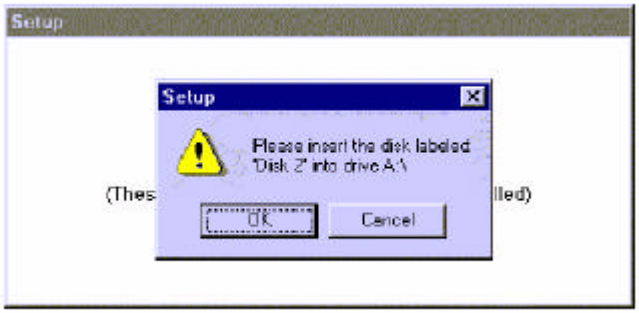
Introduction

Model S146 is the ProtoLink Download Utility for Windows, *PTPUtil.exe*. The PTP Utility, is used to download ProtoLink script files under Microsoft Windows operating system, includes Windows9x, NT4 and 2000. Note that the ProtoLink product requires firmware release build 120 or higher.

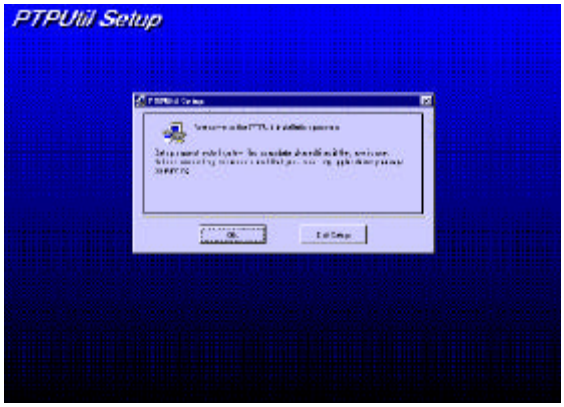
The PTP Utility is provided on 2 disks, which contain the VB5 runtime libraries, the application and the required dll files. Insert Disk 1 into the floppy drive and run “Setup.exe”, follow the instructions on the screen.



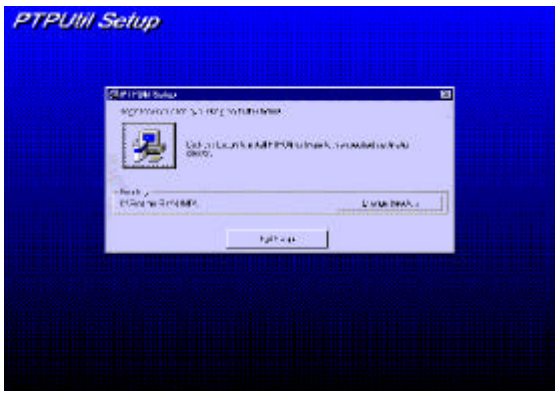
The initialisation files are copied to local drive, the installation software will ask for Disk 2



The PTP Utility application will now install.



The default directory is *C:\program files\umd* press the setup icon to proceed with the installation.



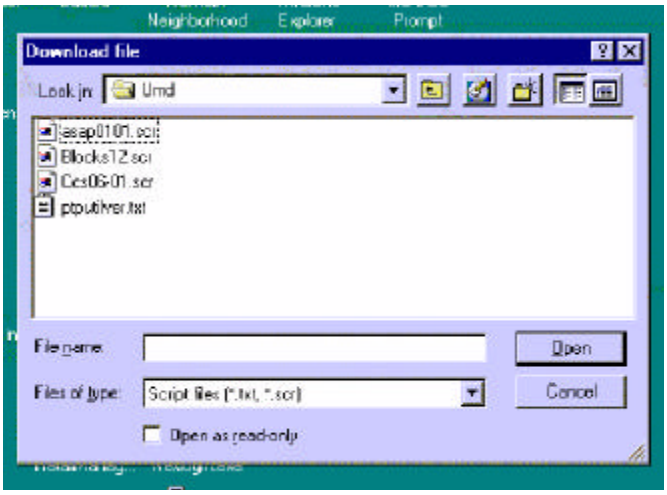
The PTP Utility installation, is now complete.

The program can be found in ... “START” — “Programs” — “PTPUtil”

Operation

The PTP Utility can be opened as a conventional windows application (ie, without command line parameters) or Using command line parameters (eg, ptputil example.scr).

PTPUtil Windows application
The PTP Utility window displays a number of command buttons, pressing the “Download” button opens a file window, select the required script file to download into a ProtoLink Product connected to the keyboard port of the computer.



While the script file is sent to the ProtoLink product, the "Download" button becomes "Cancel" and the current line number is displayed in the "Status" window. When the download is complete the status window displays "Finished".

The "Reset" button MUST be pushed to reset the ProtoLink product, which responds with a "beep".

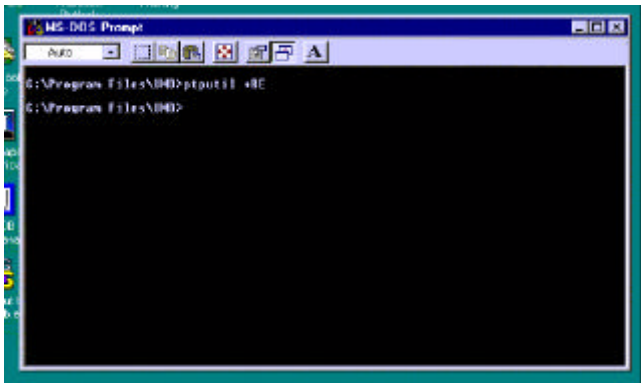
Pushing the "About" button will give the current version of the PTP Utility.

PTPUtil Command Line
The PTP Utility used in the command line mode.
Using the Syntax:

ptputil "filename" downloads the script file "filename"
eg ptputil example.scr

ptputil +RE sends the command RE, reset the device
this must be sent after downloading a script file

ptputil +"CB 1 3" sends the command CB 1 3,
beep the buzzer



ptputil +"PD D1 $31 $32 $0D" puts characters to the LCD display on the ProtoLink product.

Any of the ProtoLink commands can be sent using the command line parameters.

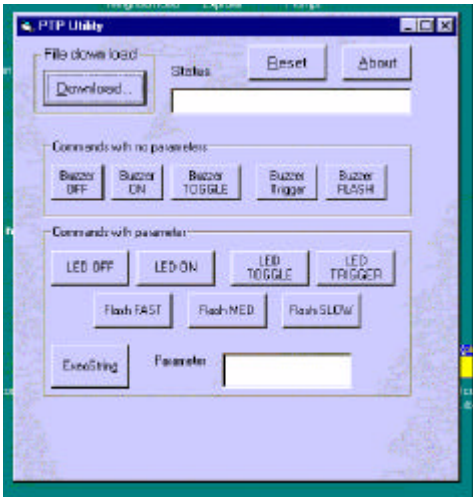
Special Note about Script files

Traditionally script files have "^B" at beginning (enter the command interpreter) and "RE" at the end (reset).

PTP Utility opens the command interpreter itself, if the "^B" is not commented out (eg ; ^B) the ProtoLink device will "Beep" but does not a present a problem. If not commented out or removed the "RE" command resets the ProtoLink Device before the program has finished and requires the "Cancel" button be pressed in the PTP Utility to complete the download.

PTPUtil Buzzer, LED and Command Buttons

Pulling down the lower edge of the PTP Utility window will expose the Command buttons.

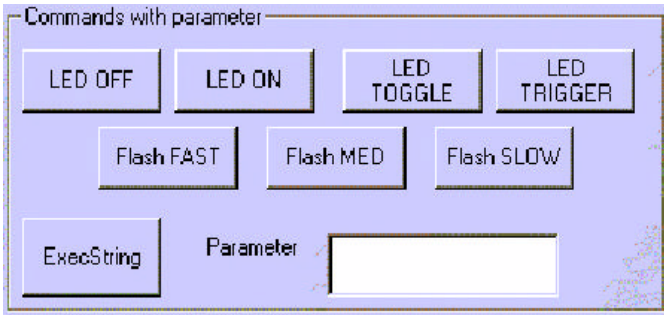


Commands With no Parameters

Quick testing of the buzzer in the ProtoLink product.

Commands With Parameters

Sending LED commands and ProtoLink commands to the ProtoLink product.



Enter a LED number into the “Parameter” window, valid number 1-16 , Control the LED with the command buttons.

Enter ProtoLink Commands

Enter the ProtoLink command into the “Parameter” window, push the “ExecString” button to send the command to the ProtoLink product.

Enter ProtoLink Commands, examples

Enter: RE Push “ExecString” button ; ProtoLink product resets

Enter: PD D1 $31 $32 $0D Push “ExecString” button ; ProtoLink product displays 12 <LF> on the LCD display

Enter: LI S2 L0 Push “ExecString” button ; ProtoLink product links the Serial port 2 to the internal Logical device L0.

The complete list of ProtoLink commands is available in the UMD ProtoLink Reference Manual (7-6070-001-1).

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Unique Micro Design Pty Ltd (ACN 007 419 490)
16 Nyadale Drive, Scoresby, Victoria 3179, Australia
http://www.umd.com.au

Tel: +61-3-9764-8166
Fax: +61-3-9764-8177
Email: umd@umd.com.au