

User's Manual

Button Application Software for μ PD720133

ISG-2UE-00041, CP(N)
May 27, 2005
USB Technical Marketing Group
PC Peripheral System Division
2nd Systems Operations Unit
NEC Electronics Corporation

CONTENTS

1. INTRODUCTION	3
2. SPECIFICATION	3
3. PREPARATION	3
3.1. FUNCTION ASSIGNMENT	3
3.2. SETTINGS OF ET-0182	4
3.3. EEPROM SETTINGS	4
4. INSTALLATION	5
5. LAUNCH APPLICATION	5
6. RUNNING APPLICATION	6
6.1. UNPLUG	6
6.2. BACKUP FUNCTION	7
6.2.1. Execution procedure	7
6.2.2. Notes	10
6.3. CALL APPLICATION	11

1. Introduction

This application software contains three functions as described below. Each function can be executed by pushing a button which is implemented on uPD720133's evaluation board ET-0182.

(1) Unplug

This function enables safely removal of USB device by pushing a button without having to execute unplug tool on task bar. And also it is possible to execute by software.

(2) Call Application

This function can launch application software, which a user selected, by pushing a button.

(3) Backup

Data backup is executed by pushing a button. Backup is executed by application software as well.

2. Specification

Supported OS	Windows XP, 2000, 98SE <u>(Unplug function is not available in Window98SE.)</u>
Supported PC	Over 233 MHz (over 500 MHz is recommended) CPU implemented in PC such as Pentium®/Celeron® family or AMD Athlon CPU.
Free Space of HDD	Over 128MB (over 512MB is recommended)
Memory	Over 64MB (over 128MB is recommended.)
Display settings	<u>1024 x 768 pixel or higher settings,</u> HighColor (16-bit)

3. Preparation

3.1. Function assignment

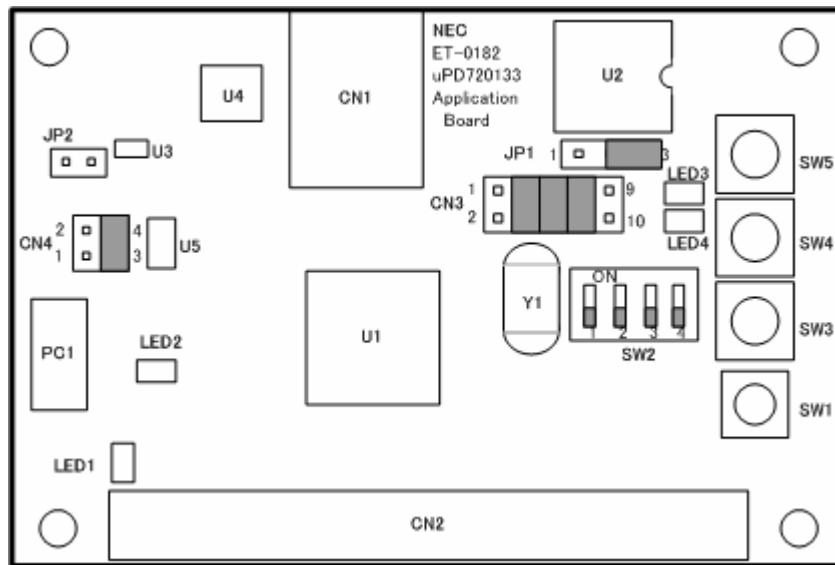
This application is executed with uPD720133's evaluation board ET-0182. Each function can be executed by pushing a button on ET-0182. The following table shows assignment of functions to buttons on ET-0182.

Button No. / GPIO pin	Function
SW5 / GPIO7	Unplug
SW4 / GPIO6	Backup
SW3 / GPIO5	Call Application

Remark Button No. is same as buttons on ET-0182.

3.2. Settings of ET-0182

Please setup as the following image. The settings are for self-powered mode.

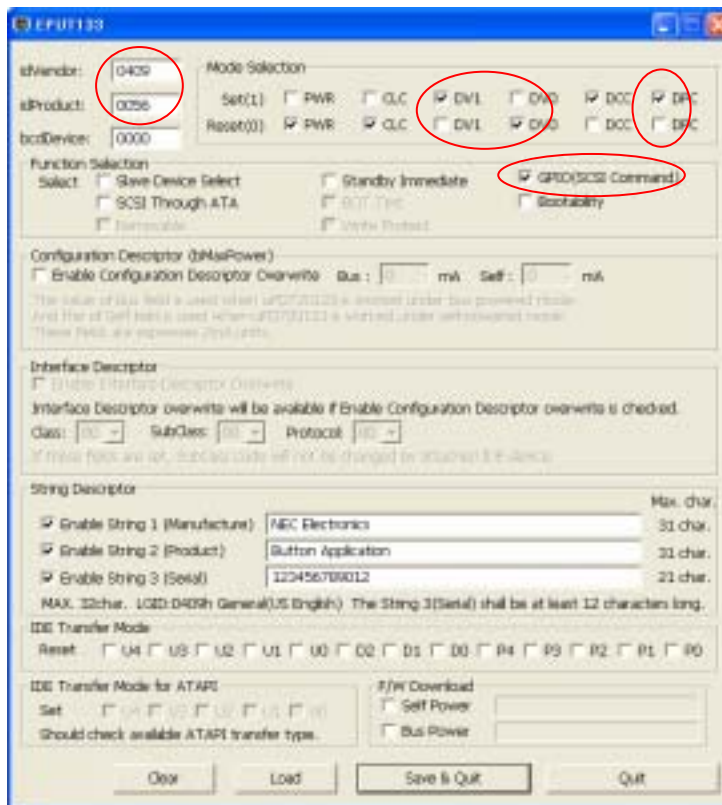


CN3:

Pin 3-4: Short, Pin 5-6: Short, Pin 7-8: Short

3.3. EEPROM settings

Please create EEPROM data as shown below.



Self-powered mode
ATA device detect
DPC: OFF

NEC

4. Installation

Please check a checkbox if you would like to launch this application at the same time when OS starts. In the next OS boot-up, this application will start automatically.



5. Launch application

After installation, please double-click on a short cut icon (see below) or click on [Button] in program menu in start menu.



Also, in case that [register to startup] is enabled in the installation process, Open Window will be shown up when OS starts.

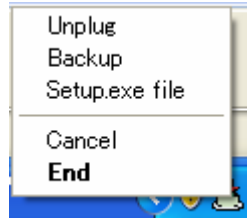


6. Running application

This application resides at notification area in task bar.



Right-click on the icon, and then a menu will be displayed. (See below.)



Each menu is described as below. Please note more of two application windows are not launched at the same time.

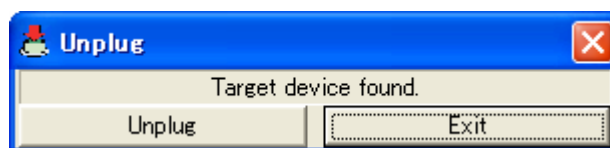
- [Unplug] : Unplug application window will be launched. (See section 5.1)
- [Backup] : Backup application window will be launched. (See section 5.2)
- [Setup .exe file] : Application selection window will be launched. (See section 5.3)
- [Cancel] : Close menu.
- [End] : Close this application.

6.1. Unplug

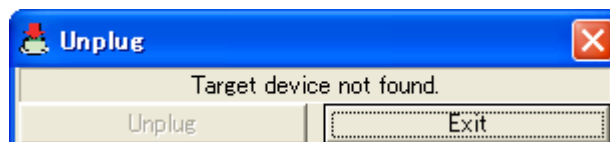
After clicking on [Unplug] in menu, window as shown below is opened. A message in this window will change depending on the connection status of a target USB device. Please see below.

Function for each button is described as below.

- [Unplug] : Remove a target device safely.
- [Exit] : Close this window.



Target device is connected



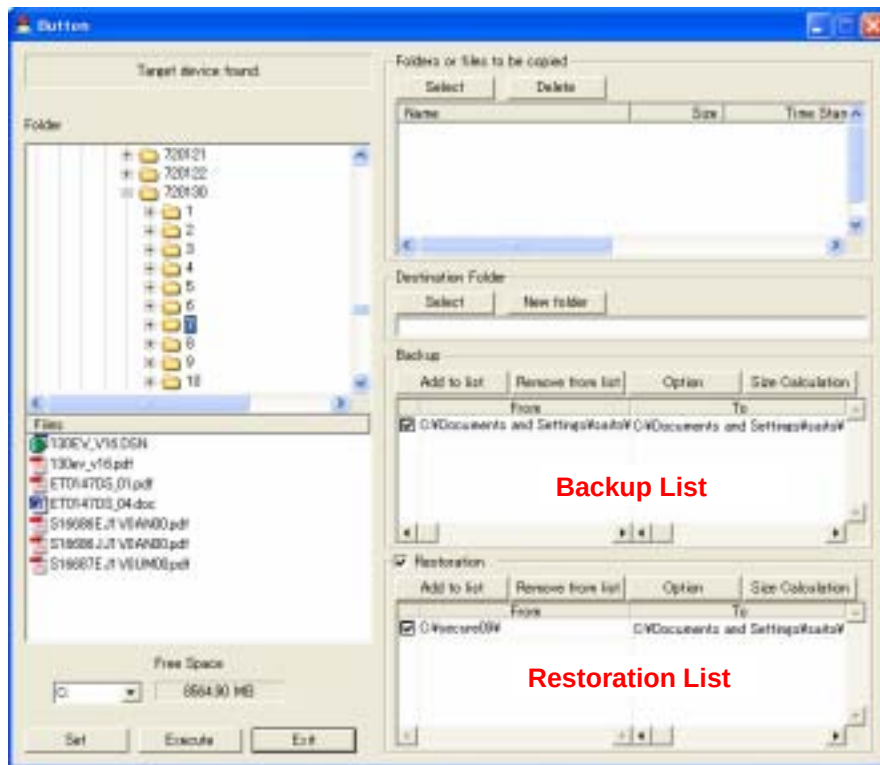
Target device is not connected

<Note>

Unplug function is not available in Windows 98SE. [Unplug] is not displayed in menu.

6.2. Backup function

After clicking on [Unplug] in menu, window as shown below is opened.



6.2.1. Execution procedure

1. Select data to be copied

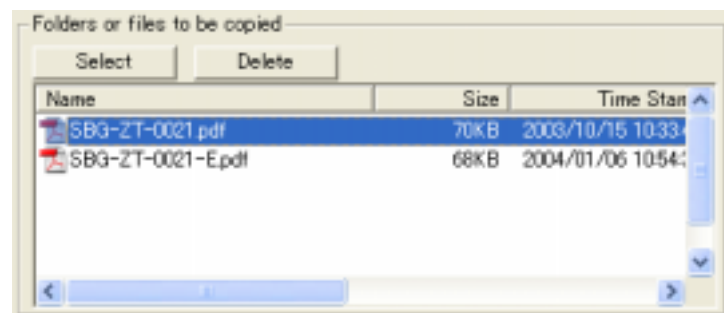
(1) Select data from folder tree or file list.

In the file list, more than two files can be selected.

(2) Click on [Select] button in [Folders or files to be copied]

Delete data

After selecting data with mouse, please click on [Delete] button.

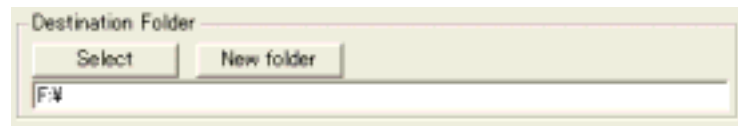


2. Select destination folder

- (1) Select a folder in folder tree.
- (2) Click on [Select] button in [Destination folder].

Create new folder

To create a new destination folder, please click on [New Folder] button.



3. Register settings to list

Please click on [Add to list] button to enter settings to Backup or Restoration list.

To enter settings to restoration list, please check a checkbox which is located on indication "Restoration" (marked as Blue circle).

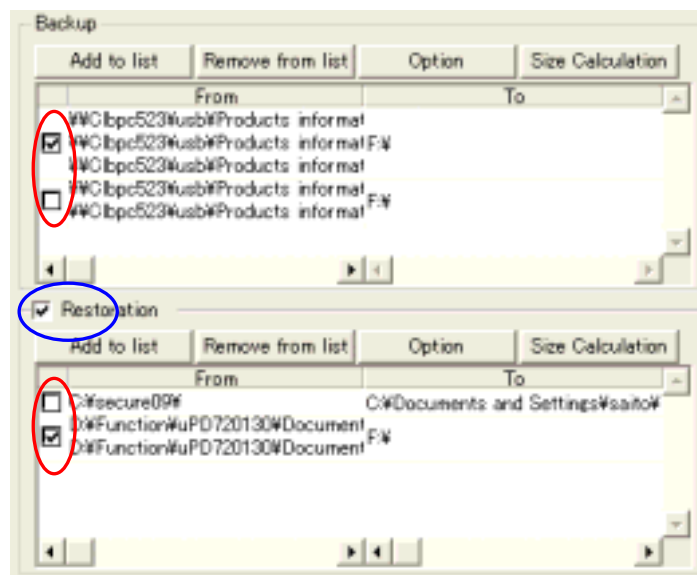
Please not that the settings will not be executed if checkboxes (marked as red circle) are unchecked.

Delete settings

Please click on [Delete] button. Settings which are checked will be deleted.

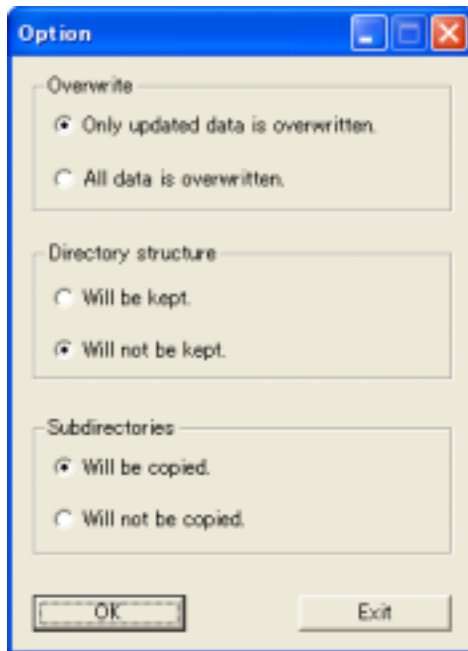
Remark

It would be easier to manage settings if registering them to Backup list when data is copied from PC to USB device. On the other hands, when data is copied from USB device to PC, registering settings to Restoration list would be better.

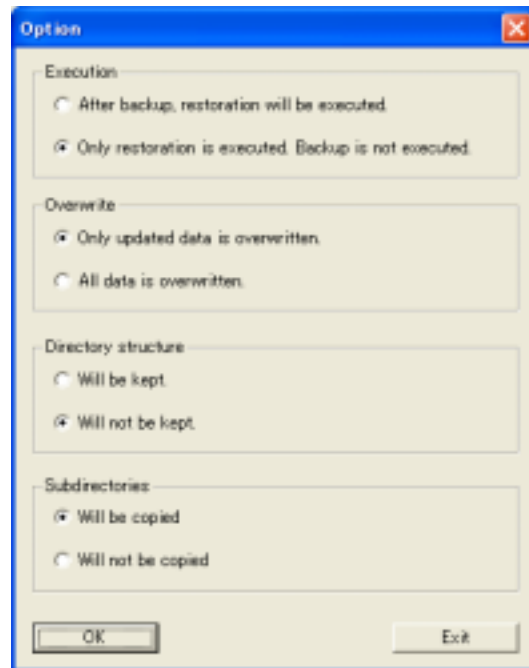


4. Option settings

Copy operation mode can be changed on window as shown below. These windows are launched by clicking on [Option].



Operation settings for backup



Operation settings for restoration

5. Save settings

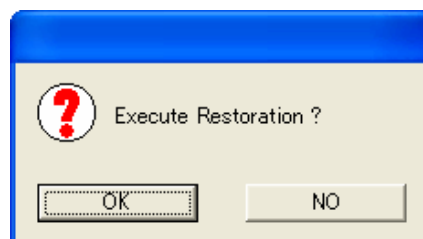
Please click on [Set] button.

6. Execution

Please click on [Execute] button or push a button on USB to IDE bridge board.

Remark

Before restoration is executed, dialog message will be displayed. To continue, please click on [OK] button.



6.2.2. Notes

Please note that dialog messages will not be displayed with regards to the following issues.

(1) Write Protect

When files are copied to a storage device which has write protect function, please make sure that write protect function is disabled. When the device is write-protected, application will be executed but files will not be copied.

(2) Sharing violation

When files are overwritten, please execute this application after closing opened files. If files are opened, overwrite operation will not be performed.

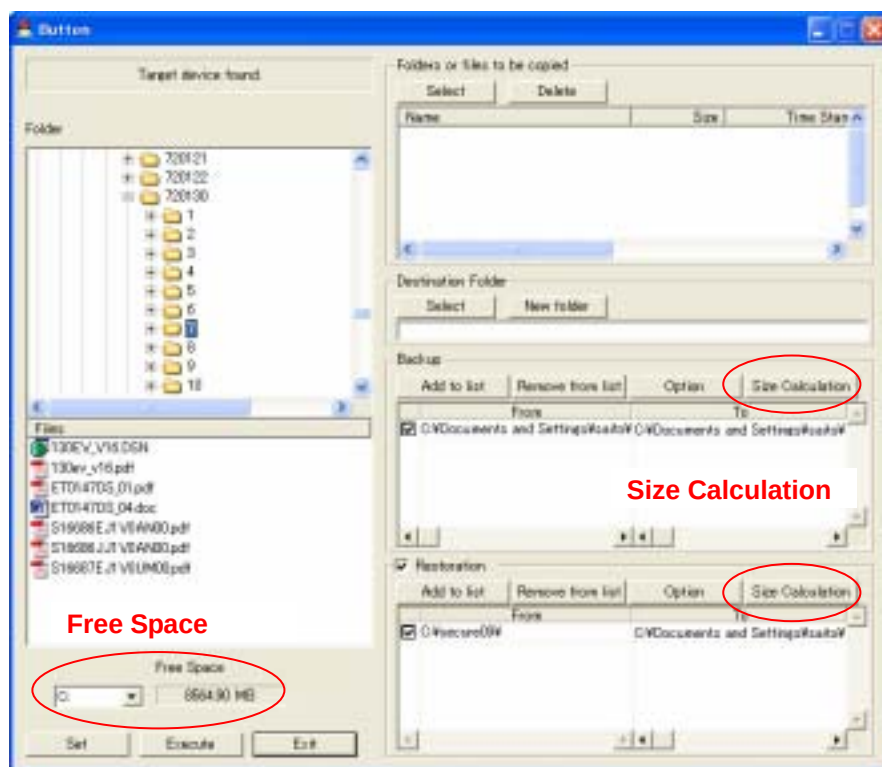
(3) Overwriting Read-Only / Hidden files

This application does not overwrite Read-Only or Hidden files.

(4) Shortage of disk space

When disk space is shortage, only files whose size equals to the free space are copied.

Before executing this application, please check the size of files to be copied and the free disk space. Please refer to the following image for checking.



6.3. Call Application

After clicking on [Setup .exe file] in menu, window as shown below is opened.

Please select application software which you would like to launch.

After selecting, selected application software will be launched by push a button on USB to IDE bridge board.

