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# PS-3450A Series Windows® 2000 Multi-Language Preinstalled Hard Disk Unit Installation Guide

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“The PS-3450A Series Windows® 2000 Multi-Language Preinstalled Hard Disk Unit” includes an HDD drive with Microsoft corporation's preinstalled Windows® 2000 operating system, as well as other driver and utility software. These items are used when operating Pro-face's Compact Panel Computer PS-3450A Series unit, hereafter referred to collectively as the “PS-A”.

Corresponding models: PS-3450A/PS-3451A Series

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Pro-face : Digital Electronics Corporation (in Japan and other countries)

Windows® 2000: Microsoft® Corporation (USA)

Symantec Ghost™ : Symantec Corporation

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## About the Manual

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For the detailed information on PS-A series, refer to the following manuals.

- PS-3450A Series Hardware Manual  
(For installing and removing the HDD unit)
- PS-3450A Series Reference Manual  
(For recovering and setting up the HDD unit)

Manuals, drivers and utilities for PS-3450A series can be downloaded from Pro-face Home Page.

URL

<http://www.pro-face.com/otasuke/>

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## IMPORTANT - Read Prior to Opening and Operating

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This HDD unit contains a preinstalled version of Windows® 2000 Professional. Be sure to read and agree to all conditions stated herein prior to using this product. If you do not agree to all the conditions stated in this agreement, please return the entire product.

- \* This Installation Guide is an important part of this product. Be sure to keep it in an easy-to-find location.

A large rectangular box with a double-line border. Inside the box, the text "COA Data" is centered in a large, light gray font.

COA Data

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### **IN-fINITY soft Keyclick32**

Digital Electronics Corporation shall be in no case liable for any loss or damages to you or any third party whatsoever arising from any faulty performance of IN-fINITY soft, nor shall be responsible to correct such error of the software program in question.



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## Safety Cautions

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### WARNING

- Be sure to check that the PS-A unit's power is disconnected before installing the unit, in order to prevent an electrical shock.
- Do not attempt to modify or open the HDD unit, since it can cause a shock or fire.
- When installing the HDD unit, be sure to read the "PS-A unit's Hardware Manual" to insure that the unit is correctly installed.

### To Prevent Accidents

- Since the HDD unit is a precision instrument, be sure it is neither hit by nor pressed strongly against another object. After unpacking, be sure the unit is not dropped or jolted during installation. Also, a PS-A unit built in to a larger unit (i.e. operation panel) should be removed and packed separately prior to shipping.
- Be sure water, liquids or metal particles are not allowed to enter the HDD unit. Any of these may cause either a breakdown or an electrical shock.
- Do not place or store this unit in a location where there is direct sunlight, excessive heat, dust or vibration.
- Do not store or operate this unit near chemicals, or where there are chemical fumes.
- Do not allow anyone other than Pro-face's own service staff to perform maintenance or adjustments to this unit.
- Do not move or shift the PS-A unit while the HDD unit is installed and the PS-A unit's power is ON.
- Do not use the HDD unit in locations where corrosive gasses are present, since they can lead to a hard disk breakdown.
- To prevent the data damage, be sure to shut down the PS-A unit's OS according to the correct procedure before turning OFF the main power.

- To prevent HDD memory leaks, restart the OS periodically.
- The hard disk has the lifetime. To use it longer by steady operation, read the attached "Instructions for Using the Hard Disk" carefully.
- In order to extend the lifetime of the hard disk, Pro-face recommends you set the Windows® [Control panel]-[Power Management option]-[Turn off hard disks] selection to turn the hard disk off when the unit is not being operated. A setting of 5 minutes is recommended.

### Unit Disposal

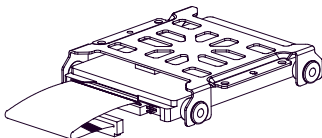
- When this HDD unit is disposed of, it should be done so according to your country's regulations for similar types of industrial wastes.

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## Package Contents

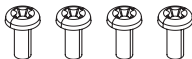
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- (1) Windows® 2000 Multi-Language Preinstalled HDD unit



- (2) Recovery DVD (1)

- (3) Attachment Screws (4)



- (4) Installation Guide (1) (This Guide)

- (5) Instructions for Using the Hard Disk (1)

- (6) Symantec Ghost™ EULA (1)

Pro-face has taken the utmost care to ensure the quality of this product when it was shipped, however, should, for any reason, problems or damage have occurred during shipping, please contact your Pro-face representative immediately for service.

## Hardware Specifications

### ■ Features

|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Capacity           | 40GB                                                                               |
| Average Seek Time  | 12msec (TYP)                                                                       |
| Power Consumption  | At Startup : 5.0W (MAX)<br>Read/Write : 1.8/1.8W (TYP)<br>During Wait : 0.2W (TYP) |
| Interface          | PATA                                                                               |
| Operation Lifetime | 5 years, or 20,000 operating hours, whichever comes first                          |
| Weight             | Approx. 200g                                                                       |

#### IMPORTANT

- This HDD unit has a finite usage lifetime. Therefore, be sure to back up all HDD data periodically and/or prepare a backup HDD unit.
- The HDD unit's lifetime will vary, depending on the usage conditions and environment. The above value is calculated assuming an ambient temperature of 20°C and 333 hours of operation per month. (HDD access frequency of 20% or less)
- To use the hard disk longer by steady operation, read the attached "Instructions for Using the Hard Disk" carefully.

### ■ Environment

|                                           |                                                                          |           |
|-------------------------------------------|--------------------------------------------------------------------------|-----------|
| Operating Temperature                     | PS-3450A                                                                 | +5°C+50°C |
|                                           | PS-3451A                                                                 | +5°C+45°C |
| Storage Temperature                       | -20°C+60°C                                                               |           |
| Ambient Humidity                          | 10%RH to 90%RH (no condensation)<br>(Wet bulb temperature: 29°C or less) |           |
| Noise Resistance<br>(via Noise Simulator) | Noise Voltage: 1500Vp-p<br>Pulse Width: 50ns, 500ns, 1μs                 |           |
| Electrostatic Discharge                   | 6kV                                                                      |           |
| Vibration Resistance                      | 4.9m/s <sup>2</sup> (10Hz to 25Hz) (When Operating)                      |           |
| Shock Resistance                          | 3920m/s <sup>2</sup> (1ms, Half-sine shock pulse) (When Shipping)        |           |

#### IMPORTANT

- Using the HDD unit in an environment that is excessively hot and/or humid will shorten the disk's usage lifetime. A wet bulb temperature of 29°C or less is recommended. This is equivalent to the following data.

|             |                      |                      |
|-------------|----------------------|----------------------|
| Temperature | at 35°C              | at 40°C              |
| Humidity    | no higher than 64%RH | no higher than 44%RH |

# OS Setup

## ■ Software Included

Your Windows® 2000 Multi-Language preinstalled hard disk unit contains the following software.

- Microsoft corporation's Windows® 2000 Professional for Embedded OS
- DMC Corporation's Mouse Emulation Software (TSC-1310D/DD)
- IN-FINITY soft's Keyboard Emulator KeyClick32
- Pro-face's PS-A utility software and drivers

## ■ Windows® 2000 Setup Procedure

The Windows® 2000 Setup Procedure will be described below. The setting items differ depending on a user's environment. Please check with your network manager and make correct settings.

### NOTE

- A detailed explanation of the software included, as well as a list of the revisions made after the printing of this document can be found in the HDD unit's README file. Be sure to see it before work.
  - A keyboard is required in order to set up OS.
- (1) Once the PS-A unit's power is turned ON, this HDD unit's [Windows 2000 Professional Setup] screen, and then the [Welcome to the Windows 2000 Setup Wizard] will appear. Click the [Next] button.
  - (2) The [License Agreement] screen will appear.  
After reading the contracts, press [I accept this agreement] if you agree, and click the [Next] button.
  - (3) The [Regional Settings] screen will appear.

After entering the data for your area, click the [Next] button.

- (4) The [Personalize Your Software] screen will appear.  
After entering your name [Name] and [Organization], click the [Next] button.
- (5) The [Your Product key] screen will appear.  
After entering the product key data on the license sticker, click the [Next] button.
- (6) The [Computer Name and Administrator Password] screen will appear.  
Enter the [Computer Name and Administrator Password], and [Confirm Password], then click the [Next] button.  
When entering the [Computer Name], if the name shown on the display is not correct, you can enter another name. When the computer is connected to a network, be sure to ask your network manager what is the correct name for this field.
- (7) The [Date and Time Settings] screen will appear.  
After entering these settings, click the [Next] button.
- (8) The [Network Settings] screen will appear.  
Choose whether to use typical or custom settings depending on your PC circumstance.
- (9) The [Workgroup or Computer Domain] screen will appear.  
Choose whether to make your PC on a network or not depending on your PC circumstance.
- (10) [Performing Final Tasks] is automatically done by the PS-A.  
The [Completing the Windows 2000 Setup Wizard] will appear. Press the [Finish] button and the system will automatically restart.
- (11) When the [Network Identification Wizard] and the [Welcome to the Network Identification Wizard] is started, please press the [Next] button. The [Users of This Computer] screen will appear. After entering the desired settings, press the

[Next] button and then press the [Finish] button.

## The Languages

The Windows® 2000 Multi Language Preinstalled Hard Disk Unit contains the following languages;

|                       |                       |
|-----------------------|-----------------------|
| Chinese (Simplified)  | Hungarian             |
| Chinese (Traditional) | Italian               |
| Czech                 | Polish                |
| Danish                | Portuguese (Brazil)   |
| Dutch                 | Portuguese (Portugal) |
| English               | Russian               |
| Finnish               | Spanish               |
| French                | Swedish               |
| German                | Turkish               |
| Greek                 |                       |

### ■ Designating the Language

- (1) Select the Windows® 2000 [Start] menu's [Settings], then [Control Panel] command.
- (2) Select the [Regional Options] command.
- (3) Select the appropriate language from "Menu and dialogs:" in the "General" tab.

## HDD Recovery Procedure

### IMPORTANT

- After performing hard disk recovery, the PS-A unit's hard disk is returned to its factory shipped condition.
- For recovery, USB keyboard and USB DVD-ROM drive on the market are also required.

Use the following steps used to recover the Windows® 2000 Multi-Language Preinstalled Hard Disk.

- (1) Turn on the power of PS-A and immediately press the [F2] key to enter the BIOS setup screen.  
Insert the Recovery DVD into the DVD-ROM drive.
- (2) On the [Boot] menu, move "USB CDROM" (the name of the DVD drive inserted the Recovery Media) to the top of the screen using the [+] key or the [-] key.
- (3) Press the [F10] key and select [Yes] for [Save configuration changes and exit now?] to save the settings and restart the PS-A unit.
- (4) After the PS-A unit restarts, the Symantec Ghost™ will automatically start.
- (5) After the Symantec Ghost™ starts, the [Question] dialog box will appear. "Partition sizes correct?"
- (6) The volume displayed in New Size will be recovered. After confirming it, press the [Yes] button.  
To change it, press the [No] button and go to the [Destination Drive Details] dialog box. In the [Destination Drive Details] dialog box, change the size of the New Size and press the [OK] button.
- (7) The [Question] dialog box will appear. Press the [Yes] button.  
It will be reconfirmed that the data of the hard disk is all reset to the original values

at the time of delivery.

"Proceed with disk restore? Destination drive will be permanently overwritten."

- (8) The hard disk recovery program will start.  
After the recovery operation finishes, the Symantec Ghost™ also will finish. When the message "Please turn off computer" displayed, turn off the power of PS-A.
- (9) Turn on the power of PS-A again and immediately press the [F2] key to enter the BIOS setup screen.
- (10) Press the [F9] key and select [Yes] for [Load default configuration now?] to set the BIOS setting to the factory setting. Press the [F10] key to save the setting and restart the PS-A unit.
- (11) After the unit restarts, set up your OS.

**SEE →** OS Setup

#### **IMPORTANT**

- If the hard disk unit breaks down due to a hardware problem, (Ex. if BIOS cannot find the hard disk, if the hard disk's lifetime expires, or it breaks down), Symantec Ghost™ cannot recover the hard disk.  
Pro-face recommends that in this case you contact your local PS-A distributor for instructions about hard disk recovery or replacement.
- Pro-face does not guarantee the preservation of any data stored on the HDD unit if the HDD unit has an accident, malfunctions or is damaged in any way. Therefore, the regular backing up of important HDD unit data to either floppy disks, or other type of suitable magnetic media is strongly recommended.

#### **Inquiry**

Do you have any questions about difficulties with this product?  
Please access our site anytime that you need help with a solution.

<http://www.pro-face.com/otasuke/>

#### **Note**

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