

DEBUGSCOPE Manual Postscript

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Introduction

There have been some additions to the manual of DEBUGSCOPE. Please read this manual carefully in conjunction with the DEBUGSCOPE manual before use.

1. Precautions in use

Power Plan Setting on your PC

If the shift in the power-saving state, such as sleep-, standby- or pause-state, occurs while executing the data logging function etc., this product's software terminates abnormally and the file under record may be damaged. The damaged file cannot be read by the data analysis software of this product.

For this reason, it is necessary to prevent the shift to the power-saving state during data logging.

Please select the most suitable setting shown below according to the operating system you are using on your computer.

Windows XP

Click [start] - [Control Panel] - [Performance and Maintenance] - [Power Options].



Click [Power Schemes] tab and set [Turn off hard disks], [System standby] and [System hibernates] to "Never".

Windows Vista

Click [start] - [Control Panel] - [Hardware and Sound] - [Power Options].

The following describes the case where power supply plan setting is set to "High performance".



Click [Choose when to turn off the display] or [Change when the computer sleeps].

| | 50 | A TO | Sign. | - • × |
|--|---------------------|---------|------------------|-------|
| ◇ ◇ ◇ ◆ 電源オプション → プラン設定の編集 | a start and | ▼ 49 検索 | | ٩ |
| 次のプランの設定の変更: 高パフォーマンス お使いのコンピュータで使用するスリープ& | へ 大態とディスプレイの設定を選 | 訳してください | ,) ₀ | |
| | 🧻 バッテリ駆動 | AT 1 | 源に接続 | |
| 🔮 ディスプレイの電源を切る: | 1時間 🔻 | 1時間 | • | |
| ③ コンピュータをスリーブ状態にする: | 2時間 👻 | 2 時間 | • | |
| 🔆 ディスプレイの輝度を調整: | • 🗍 🔅 | • | × | |
| 詳細な電源設定の変更(<u>C</u>) このプランの既定の設定を復元する(<u>R</u>) | | | | |
| | (| 変更の保存 | キャンセル |] |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

When click [Change advanced power settings], [Power Options] window will open.



Click [Hard disk] - [Turn off hard disk after] and set [Plugged in] to "Never".

*If "0 minute" is set, the display shows " Never ".

| Power Options |
|--|
| Advanced settings |
| Select the power plan that you want to customize, and then choose settings that reflect how you want your computer to manage power. |
| Change settings that are currently unavailable |
| Power saver [Active] |
| Sleep after On battery: Never Plugged in: Never Allow hybrid sleep On battery: Off Plugged in: Off ■ Hibernate after On battery: Never Plugged in: Never Plugged in: Never Allow wake timers |
| <u>R</u> estore plan defaults |
| OK Cancel Apply |

Next, set the sleep time.

① Sleep time setting

Click [Sleep] - [Sleep after] and set [Plugged in] to "Never".

*If "0 minute" is set, the display shows " Never ".

2 Hybrid sleep setting

Click [Sleep] - [Allow hybrid sleep] and set [Plugged in] to "Off".

③Hibernate setting

Click [Sleep] - [Hibernate after] and set[Plugged in] to "Never".

*If "0 minute" is set, the display shows " Never ".

When all settings are finished, click [OK]. The [Power Options] window will be closed.

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|---------------------------------------|-----------------|-------------|---|
| ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● | - | ◆ ◆ 検索 | Q |
| 次のプランの設定の変更: 高パフォーマンズ | ζ | | |
| お使いのコンピュータで使用するスリープ | 犬態とディスプレイの設定を選択 | Rしてください。 | |
| | 🧻 バッテリ駆動 | 🛷 電源に接続 | |
| ディスプレイの電源を切る: | 1時間 🔻 | 1時間 👻 | |
| ③ コンピュータをスリーブ状態にする: | 2 時間 🗸 | なし 🗸 | |
| 🔆 ディスプレイの輝度を調整: | o 🔆 | • 🔆 | |
| | | | |
| 詳細な電源設定の変更(<u>C</u>) | | | |
| このプランの既定の設定を復元する(<u>R</u>) | | | |
| | | 変更の保存 キャンセル | |
| | | | |
| | | | |
| | | | |

Finally, when [F5] key is pushed, time changes to "Never"

Windows 7

Click [start] - [Control Panel] - [Hardware and Sound] - [Power Options].

The following describes the case where power supply plan setting is set to "High performance".

| Control Panel 🕨 | Hardware and Sound > Power Options | x م |
|--|---|--------|
| File Edit View Tools Help |) | _ |
| Control Panel Home Require a password on wakeup Choose what the power buttons do | Select a power plan Power plans can help you maximize your computer's performance or conserve energy. Make a plan act by selecting it, or choose a plan and customize it by changing its power settings. <u>Tell me more about</u> power plans | ive |
| Choose what closing the lid does Croate a power plan Choose when to turn off the display | Plans shown on the battery meter Orenergy Saver Change plan settings Orenergy by reducing your computer's performance where possible. | E |
| Change when the computer sleeps Power Manager | Hide additional plans Balanced (recommended) Change plan settings | |
| Battery Information Buy a battery See also | Automatically balances performance with energy consumption on capable hardware. I ligh performance Favors performance, but may use more energy. | |
| Personalization Windows Mobility Center User Accounts | Maximum Battery Life Change plan settings Screen brightness: | Ţ |

Click [Choose when to turn off the display] or [Change when the computer sleeps].



When click [Change advanced power settings], [Power Options] window will open.

| Power Options | ? × |
|---|---------------|
| Advanced settings | |
| Select the power plan that you want to customize then choose settings that reflect how you want y computer to manage power. | e, and our |
| Change settings that are currently unavailable | |
| Power saver [Active] | |
| Power saver | |
| Require a password on wakeup On battery: Yes Plugged in: Yes | Е |
| 😑 Hard disk | |
| □ Turn off hard disk after | |
| Dudged in: Never | |
| Desktop background settings | |
| Wireless Adapter Settings | * |
| <u>R</u> estore plan defa | ults |
| OK Cancel | Арріу |

Click [Hard disk] - [Turn off hard disk after] and set[Plugged in] to "Never".

*If "0 minute" is set, the display shows " Never ".

| Power Options |
|--|
| Advanced settings |
| Select the power plan that you want to customize, and then choose settings that reflect how you want your computer to manage power. |
| Change settings that are currently unavailable |
| Power saver [Active] |
| Sleep after On battery: Never Plugged in: Never Allow hybrid sleep On battery: Off Plugged in: Off Hibernate after On battery: Never Plugged in: Never Plugged in: Never Allow wake timers |
| <u>R</u> estore plan defaults |
| OK Cancel Apply |

Next, set the sleep time.

1 Sleep time setting

Click [Sleep] - [Sleep after] and set [Plugged in] to "Never".

*If "0 minute" is set, the display shows "Never".

2 Hybrid sleep setting

Click [Sleep] - [Allow hybrid sleep] and set [Plugged in] to "Off".

③Hibernate setting

Click [Sleep] - [Hibernate after] and set[Plugged in] to "Never".

*If "0 minute" is set, the display shows " Never ".

When all settings are finished, click [OK]. [Power Options] window will be closed.

| Control Panel > Hardware and S | ound > Power Options > Ec | dit Plan Settings 👻 44 | Search Control Panel |
|---|---|------------------------|------------------------|
| Control Panel + Hardware and S File Edit View Tools Help Change settings for the p Choose the sleep and display set Dim the display: Turn off the display: Put the computer to sleep: Adjust plan brightness: | iound > Power Options > Ed Ilan: Power saver tings that you want your comp On battery 5 minutes 10 minutes Never 0 | dit Plan Settings | Search Control Panel 👂 |
| Change advanced power setting: Restore default settings for this p | s lan | Save changes | Cancel |

Finally, when [F5] key is pushed, time changes to "Never".

Cautions on using Note PC

When using Note PC, be sure to connect your PC to the main power supply.

If the shift in the power-saving state occurs due to a dead battery or a decrease in the battery residual quantity during data logging, the data logging terminates abnormally and the file under record may be damaged. The damaged file cannot be read by the data analysis software of this product.

Operation Setting when closing the lid of Note PC

In order to use a data logging function etc., with the PC lid closed, it needs to be set beforehand so that the shift in the power-saving state may not occur when the lid is closed.

Please select the most suitable setting shown below according to the operating system you are using on your computer.

Windows XP

Click [start] - [Control Panel] - [Performance and Maintenance] - [Power Options].



Click [Advanced] tab and set [Power buttons] - [When I close the lid on my portable computer] to "Do nothing".

Operation Setting when closing the lid of Note PC

Windows Vista

Click [start] - [Control Panel] - [Hardware and Sound] - [Power Options].

| ・ バードウェアとき | サウンド 🕨 電源オプション | ▼ 47 検索 | ٩ |
|--|---|---|-------------------------|
| スリープ解除時のパスワード 保護 電源ボタンの動作の選択 力パーを閉じたときの動作の 選択 | 電源ブランの選択 電源ブランによってコンピュータのパ ランを選択してアクティブにするか、 してください。電源ブランの詳細 プランはバッテリメーターに表示され。 | (フォーマンスを最大にしたり、電力を節約 プランを選択してから電力設定を変更する れます | したりできます。ブ ことでカスタマイズ |
| 電源フランの1960 ディスプレイの電源を切る時 間の指定 コンピュータがスリープ状態 になる時間を変更 | パランス ブラン設定の変更 省電力 プラン設定の変更 | バッテリの寿命: ●●● パフォーマンス: ●●● バッテリの寿命: ●●●●● パフォーマンス: ●● | |
| ディスプレイの輝度を調整 開始前日 | ⑧ 高パフォーマンス プラン設定の変更 | バッテリの寿命: ee パフォーマンス: eeeee | |
| But yind 個人設定 Windows モビリティ センタ フ ユーザー アカウント | | | |

Click [Choose what closing the lid does].



Set [When I close the lid] to "Do nothing".

Operation Setting when closing the lid of Note PC

Windows 7

Click [start] - [Control Panel] - [Hardware and Sound] - [Power Options].



Click [Choose what closing the lid does].

| 🕒 🕞 – 😼 « Power Options 🕨 Syste | m Settings | • 4 | Search Control Panel | |
|--|--|-----------------------------|---|--------|
| File Edit View Tools Help | | | | |
| Define power buttons and turn or | n password pro | otection | | |
| Choose the power settings that you want fo page apply to all of your power plans. | r your computer. T | he changes | you make to the settings or | 1 this |
| Power and sleep buttons and lid settings — | | | | |
| | 🚺 On b | attery | 🛷 Plugged in | |
| When I press the power button: | Sleep | • | Shut down | • |
| When I press the sleep button: | Sleep | • | Do nothing | • |
| 🤙 When I close the lid: | Sleep | • | Do nothing | Ð |
| Password protection on wakeup | | | | _ |
| 😲 Change settings that are currently unav | ailable | | | |
| Require a password (recommended) | | | | |
| When your computer wakes from slee correct password to unlock the comp | ep, no one can acce uter. <u>Create or char</u> | ss your data ige your us | a without entering the er account password | |
| Oon't require a password | | | | |
| When your computer wakes from slee locked. | p, anyone can acce | ess your dat | a because the computer isn' | ť |
| | | | | |

Set [When I close the lid] to "Do nothing".

2. PC Recommended Setting at High-speed Data Logging

When PC used corresponds to the following conditions, a high-speed data logging may be unable to function normally. *High-speed data logging means the data logging in 10KSa/s or more (sampling interval 100us or less).

- High-speed data logging in the condition where the frequency that the programs other than this product software access to the hard disk is increasing, such as after start of PC or under execution of the automatic update, etc.
 - ⇒ Writing to the hard disk might be temporarily delayed, and some data might be lost.
- High-speed data logging in the condition where the software starts to execute process that occupies CPU or something like that.
 - \Rightarrow Some data might be lost if the interval of reception of measurement data is widened.

The following table shows recommendations to use a high-speed data logging in stable condition. If the data logging is often unable to function in your PC, refer to the following recommendations.

| Recommendations | Recommended reason |
|------------------------------|--|
| Data Logger function is not | In the condition where the access to the hard disk is increasing, some data might be |
| executed immediately after | lost. |
| starting the PC. | |
| Uninstall software with the | If the software that checks expiration date occupies CPU and the interval of reception |
| license expiration date. | of measurement data is widened, some data might be lost. |
| Uninstall the software which | If the software, such as Maintenance Software or Anti-Virus Software, which updates |
| updates the database. | the database occupies CPU, some data might be lost. |
| | Also, if the access to the hard disk is increasing in order to update the database, |
| | some data might be lost. |
| Specify the destination of | When priority is given to processing of OS in data logging, writing to the hard disk |
| data to the logical drive in | might be delayed, and some data might be lost. |
| which OS is not installed. | |
| High-speed data logger is | According to specs of your PC, writing to the hard disk might be delayed and some |
| not used in Netbook PC. | data might be lost. |

* The above-mentioned recommendations do not guarantee the success of data logging.

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MIZOUE PROJECT JAPAN CORPORATION

305-1 Takagi-cho, Fuchu-shi, Hiroshima 726-0013 Japan

TEL +81-847-44-6151 FAX +81-847-44-6152

Mail Address toiawase@mizoueproject.com

HP Address http://www.mizoueproject.com

RORZE RORZE CORPORATION

1588-2 Michinoue, Kannabe-cho, Fukuyama-shi, Hiroshima 720-2104 Japan

TEL +81-84-960-0001 FAX +81-84-960-0200

Mail Address infomail@rorze.com

HP Address http://www.rorze.com