Introduction

Welcome to Hitachi Solutions StarBoard Software. StarBoard is a large-screen monitor for PCs and visual equipment, that also serves as an interactive whiteboard which can be written on directly or controlled through a PC.

About this Guide

This StarBoard Software Installation Guide explains how to install the StarBoard Software.

In the screen, StarBoard Software 9.4 and particular OS is used.

If you are using other versions or other OS, please substitute accordingly.

For general operation of StarBoard Software, see the StarBoard Software Online Help.

System Requirements

The minimum system requirements for using StarBoard Software are:

CPU:Intel® Core 2 DUO 2.4GHz or faster

Free hard drive space: 500 MB or more

RAM: 1GB or more

Display colours: 32 bit

Operating system (OS): Ubuntu 14.04 (linux kernel 3.13.0-39-generic)

Debian GNU/Linux 7 (linux kernel 3.2.0-4-686-pae) (Only 32bit version is supported.)

Desktop environment: Only support GNOME.

Software required:

(for viewing Online Help and using Internet search functions) Firefox ® 12.0 or later (for using Content Capture Center Plug-in)Codec library used to encode and decode video and audio data.

Others: CD-ROM or DVD drive

Graphics Card with DRI(Direct Renderering Infrastructure) feature

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Installation

What you will need

- StarBoard Software Install Media
- Computer on which software is to be installed

 You will need root privileges to install/uninstall the StarBoardSoftware. If you can not switch to user with root privileges, please contact to the administrator of the PC. If you have an old version of StarBoard Software currently installed on PC, it may cause an installation error to occur. Please uninstall it before performing a new installation. If you have launched the Package Manager on PC, it may cause an installation error to occur. Please close the Package Manager before performing a new installation. Check the version of linux-kernel of your computer before installation StarBoardSoftware. Please check that your computer is connected to the Internet. You will need the working Internet connection, if you need the installation of the kernel module. Please check your computer's proxy settings. [For Ubuntu] /etc/apt/apt.conf [System Settings]→[Network]→[Network proxy] [For Debian] /etc/apt/apt.conf [System] → [Preferences] → [Network Proxy] Select[System] → [Administration] → [Synaptic Package Manager] Select[Settings] → [Preferences] → [Network] Please install the library before performing a new installation. [For Ubuntu] libjpeg62 libssl0.9.8 [For Debian] 	Check	Point!
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• xykbd		• xvkbd

(1) Installation on Ubuntu (1)-1. Starting Installation(on Ubuntu)

And a start of the start of the start		Install
Inly Install this file if you trust the origin. It is its device drives and application software for using the Hitach Staribard system of unbernative withfootand of 40.		Install
his is the device drivers and application software for using the Hitachi StarBoard system of ouch-sensitive whiteboards. his version is StarBoard 9.40.		
lis version is StarBoard 9.40.		
	-	has sold the
Version starboardsoftware 9.40		
Total size 503.0 MB when installed		
License Unknown Undates Unknown		
openess unitation		
Reviews	English +	Most helpful first +

Execute

"StarBoardSoftware_9.62_i586.deb" file.

The Ubuntu Software Center will start. Click [Install].

2. Starting Installation (Input root password)

0	To install this package, you need to authenticate.			
1 in	An application is attempting to perform an action that requires privileges. Authentication is required to perform this action.			
	Password:			
▶ Details				
	Cancel			

The [To install this package, you need to authenticate.] screen will be displayed. Input the root password, and click [Authenticate].





If the [Installing...] message is not displayed, refer to "(1)-2.Starting Installation (from Command Line)".



Click [x]. (Close Window)

Please restart your computer.

5. Starting StarBoard Software

When the installation is completed, StarBoard Software can be started from the Start menu.

Select [Dash] \rightarrow [Application Place] \rightarrow [StarBoard].



Alternatively, to start the software, you can use the StarBoard Software icon on the Launcher.You can add the StarBoard Software icon to the Launcher by the following procedure.

1.Select [Dash] \rightarrow [Application Place].

2.Drag [StarBoard] icon, and drop to the Launcher.

(1)-2. Starting Installation (from CommandLine)

I. Starting Installation (from Command Line)			
©©© root@admin-lastop:- root -≢ sudo dpkg -l Star8oardSoftware_9.40_1586.deb	Launch Terminal by selecting [Dash] \rightarrow [Application Place] \rightarrow [Terminal].		
	Execute under command. "sudo dpkg –i (*.deb filename)"		
	If you are requested to input the root password, input the root password.		

2. Starting Installation (from Command Line)

root -# Sudo dpkg -l StarBoardsoftware_9.40_L586.deb Selecting previously unselected package starboardsoftware. (Reading database ... 1996% files and directories currently installed.) impacking starboardsoftware (70n StarBoardSoftware_9.40_L586.deb) ... cetting up starboardsoftware (9.40) ...

The installation of the StarBoard Software will begin. Wait until installation is completed.

3. Finishing Setup (from Command Line)

- aptop:- StarBoardSoftware_9.40_L586.deb wrwsletted package starboardSoftware. wine of the set of the

When installation is completed, close the terminal.

4. Starting StarBoard Software

When the installation is completed, StarBoard Software can be started from the Start menu.

Select [Dash] \rightarrow [Application Place] \rightarrow [StarBoard].



Alternatively, to start the software, you can use the StarBoard Software icon on the Launcher.You can add the StarBoard Software icon to the Launcher by the following procedure.

1.Select [Dash] \rightarrow [Application Place].

2.Drag [StarBoard] icon, and drop to the Launcher.

(2) Installation on Debian (2)-1.Starting Installation

1. Starting Installation

Package installer - starboardsoftware	Right click
Package: starboardsoftware Status: All dependencies are satisfied	"StarBoard and Select
Hitachi StarBoard App and drivers. This is the device drivers and application software for using the Hitachi StarBoard system of touch-sensitive whiteboards. This version is StarBoard 9.40.	Installer]. The Packag [Install Pac

on

dSoftware_9.62_i586.deb", [Open with GDebi Package

ge Installer will start. Click ckage].

2. Starting Installation (Input root password)

S	You need to grant administrative rights to install software
	It is a possible security risk to install packages files manually. Install software from trustworthy software distributors only.
	Password:
	🗹 Remember password
	 Save for this session Save in the keyring
	<u>C</u> ancel <u>OK</u>

The [You need to grant administrative rights to install software] screen will be displayed. Input the root password, and click

[OK].

3. Starting Installation



[Installing starboardsoftware] screen will be displayed and the installation of the StarBoard Software will begin.

If the [Installing starboardsoftware] screen is not displayed, refer to "(2)-2. Starting Installation (from Command Line)".

4. Kernel Modules Installation	
Debconf on HISOL8023064 (as superuser)	[Configuring starboardsoftware]
Configuring starboardsoftware	screen might be displayed while
IMPORTANT	installing StarBoardSoftware.
None of the pre-compiled kernel modules seems to be compatible with your operating system. Please open a terminal window and run sudo /usr/local/Star8oardSoftware/install.sh to complete this installation The script will install the device drivers for your new hardware and any other software needed. If you installed off CDROM, the computer might ask you to insert the install disk. Cancel Back Eorward	This screen will be displayed, when the pre-compiled kernel modules aren't compatible with your system. Click [Forward].

5. Finishing Setup



When installation is completed, the [Installation finished] screen will be displayed. Click [Close].

6. Finishing Setup

💄 🛛 Package Installer - starboardsoftware (as superuser) 🛛 🗖 🚺	
jile Help	
Package: starboardsoftware Reinstall Package	ן
Status: Same version is already installed	5
Description Details Included files	
Hitachi StarBoard App and drivers.	
This is the device drivers and application software for using the Hitachi StarBoard system of touch-sensitive whiteboards.	
This version is StarBoard 9.40.	

Click [x]. (Close Window)

If [Applications] \rightarrow [Education] \rightarrow [Install StarBoard Light Sensor Driver] is displayed, refer to "7. Kernel Modules Installation".

7. Kernel Modules Installation

When [Applications] \rightarrow [Education] \rightarrow [Install StarBoard Light Sensor Driver] is displayed, installation of the kernel module will be needed. Select [Applications] \rightarrow [Education] \rightarrow [Install StarBoard Light Sensor Driver].

Or, launch Terminal by selecting [Application] → [Accessories] → [Terminal]. Execute under command. "sudo /usr/local/StarBoardSoftware/install.sh"

The installation of the StarBoard Light Sensor Driver will begin. Wait until installation is completed.

Please restart your computer.

8. Starting StarBoard Software

When the installation is completed, StarBoard Software can be started from the Start menu.

Select [Applications] \rightarrow [Education] \rightarrow [StarBoard].

(2)-2.Starting Installation (from CommandLine)



Launch Terminal by selecting [Application] \rightarrow [Accessories] \rightarrow [Terminal].

Execute under command. "sudo dpkg –i (*.deb filename)"

If you are requested to input the root password, input the root password.

2. Starting Installation (from Command Line)



The installation of the StarBoard Software will begin. Wait until installation is completed.

3. Kernel Modules Installation (from Command Line)



[Configuring starboardsoftware] screen might be displayed while installing StarBoardSoftware.

This screen will be displayed, when the pre-compiled kernel modules aren't compatible with your system.

Select <Ok>.

4. Finishing Setup (from Command Line)



When installation is completed, close the terminal.

If [Applications] \rightarrow [Education] \rightarrow [Install StarBoard Light Sensor Driver] is displayed, refer to "5. Kernel Modules Installation (from Command Line)".

Please restart your computer.

5. Kernel Modules Installation (from Command Line)

When [Applications] \rightarrow [Education] \rightarrow [Install StarBoard Light Sensor Driver] is displayed, installation of the kernel module will be needed. Select [Applications] \rightarrow [Education] \rightarrow [Install StarBoard Light Sensor Driver].

Or, launch Terminal by selecting [Application] → [Accessories] → [Terminal]. Execute under command. "sudo /usr/local/StarBoardSoftware/install.sh"

The installation of the StarBoard Light Sensor Driver will begin. Wait until installation is completed.

Please restart your computer.

6. Starting StarBoard Software

When the installation is completed, StarBoard Software can be started from the Start menu.

Select [Applications] \rightarrow [Education] \rightarrow [StarBoard].

How to use StarBoard Software

For general operation of StarBoard Software, see the Online Help. **Online Help**

Refer to the Online Help, Launch StarBoard Software and select [Help] \rightarrow [StarBoard Help] from Toolbar menu or Menu bar.

About "importing files"

If you use "importing files" feature to import OpenOffice/LibreOffice files, you can use the sample script attached on StarBoardSoftware. To use the sample script files, please install the following program on your PC.

- Unoconv
- poppler-utils

[For Ubuntu]

1.Please search for packages in Ubuntu Software Center, download and install it.

[For Debian]

1.Please install the packages using the [Synaptic Package Manager].

You can customize the script files to match the environment of your PC.Please refer to online help, to customize the script files.

The sample script might not handle OpenOffice/LibreOffice files correctly if you have multiple version of OpenOffice/LibreOffice at same time.

If you want to use the sample script, please uninstall Office package completely using package manager except one version.

Uninstallation

(1) Uninstallation on Ubuntu

1. Starting Uninstallation



Launch Terminal by selecting $[Dash] \rightarrow [Application Place] \rightarrow$ [Terminal].

Execute under command. "sudo apt-get remove starboardsoftware"

If you are requested to input the root password, input the root password.

2. Uninstallation

- c. commissional control of the second sec

[Do you want to continue [Y/n]?] will be displayed.

When you enter [Y], uninstallation of the StarBoard Software will begin.

Wait until uninstallation is completed.

3. Finishing Uninstallation root@admin-laptop:/ min-laptop:/# sudo apt-get remove starboardsoftware package lists... Done

- tage lists... Done set romove starboardsoftware pendency tree Re information... Done ing packages even automatically installed and are no longer required: ing packages even automatically installed and are no longer required: we libou-annukence libreoffice-libhlas-de liboenfpeg2 libvo-macence we libou-annukence libreoffice-libhlas-de libreoffice-libn-te ce-libn-gi libreoffice-libr-fi libreoffice-libn-hi libreoffice-libn-te t autorenove' to renove then. ng packages will be REMOVED: hoffware

- ware wly installed, 1 to remove and 0 not upgraded. ation. 503 MB disk space will be freed.
- ntinue [Y/n]? Y ... 203414 files and directories currently installed.)

- 201411 1 ofture ... pfor lbc-bin ... processing now taking place s for sharde-nime-info ... s for bardeenon ... are/applications/banf.index. rs for desito-file-utli ... rs for desito-file-utli ... rs for gnome-nenus ...

When uninstallation is completed, close the terminal.

(2) Uninstallation on Debian

3					
Ele Edit Backage Setting	s Help				
C Deload Mark All Upgrad	es Appy Properties			Quick search	Q Search
Reich Usperi Anneuer Hadio Communication Communication Construction	Particle Particle	Installed Version	Latext Version 2644 2644 152/44% 152/44% 122/44% 122/44% 080-1 2014 080-1 2014 2014 2014 2014 2014 2014 2014 201	Decemption difference of the stage provide of the sequences of a set of the difference security and provide manylementations. Defenses the security and the SEG Security and the difference of the security of the security of the security of the difference of the security of the security of the security of the difference of the security of the security of the security of the difference of the security of the security of the security of the difference of the security of the security of the security of the security of the difference of the security of the securit	
Origin Dustom Riters Sgarch Results					

Launch Synaptic Package Manager by selecting [System] → [Administration] → [Synaptic Package Manager]. [Synaptic Package Manager] screen is displayed . Search [starboardsoftware] from the

Search [starboardsoftware] from the list of package.



Right click on [starboardsoftware], and Select [Mark for Complete Removal].

3. Starting Uninstallation



The mark attaches at the left of [starboardsoftware], and click [Apply].





[Summary] screen will be displayed. When you click on [Apply], uninstallation of the StarBoard Software will begin. If you want to cancel the uninstallation, click [Cancel].

5. Finishing Uninstallation



[Applying Changes] screen will be displayed.

Wait until uninstallation is completed. When uninstallation is completed, click [Close].

[Applying Changes] screen will be closed.