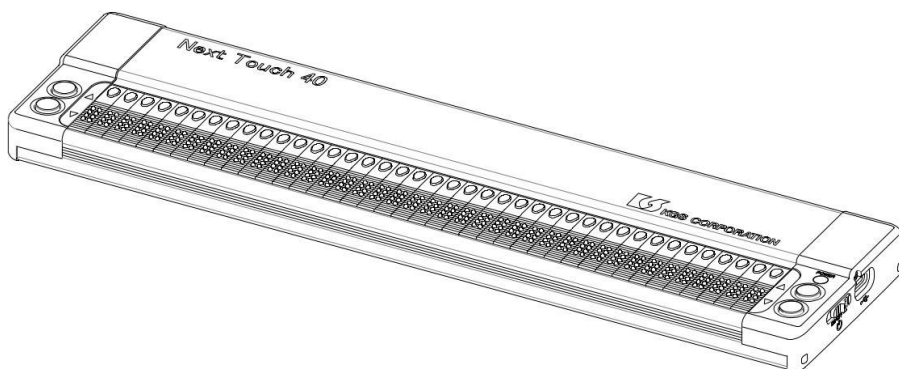


Next Touch 40

User's Manual



KGS Philippines Corporation

Safety Precautions

Warnings and precautions

 DANGER	This symbol indicates that there is an imminent danger of death or serious injury if handled incorrectly.
 WARNING	This symbol indicates that incorrect handling may result in serious injury to the human body.
 CAUTION	This symbol indicates that incorrect handling may result in personal injury or property damage.

About the contents of the pictorial display

 CAUTION	This symbol indicates information that requires caution (including warnings).
 PROHIBITION	This symbol indicates something that is prohibited (something you must not do).
 MANDATORY	This symbol indicates matters that must be strictly observed.

 DANGER

 Do not disassemble	Do not disassemble, modify or repair the product. Doing so may cause fire, electric shock, or malfunction. If repair is required, please be sure to contact our sales department.
 Strict observance	Use only the provided AC adapter. Never use any other AC adapter other than the one included with this machine, even if it can be connected. Doing so may cause a fire or malfunction.

 WARNING

 Do not wet	Do not expose to water. Do not spill drinks or liquids. Doing so may cause electric shock or malfunction. If liquid spills on the main unit, disconnect the AC adapter and turn off the power. Then, please contact our sales department.
 Prohibited from use in humid places	Do not use in humid places. Do not use in a bath or in a humid place. Doing so may cause electric shock, fire, accident, or malfunction.

 WARNING

 No wet hands allowed	Do not use or plug or unplug the cable with wet hands. Do not use the device or plug or unplug it with wet hands. Doing so may cause electric shock or malfunction.
---	--

 CAUTION

 Caution	Precautions for use/storage location Avoid using or storing the product for long periods of time in direct sunlight, high humidity, extreme temperature differences, or dusty locations. Please use indoors within the operating temperature range of 5 to 35 °C. It cannot be used when there is condensation.
 Caution	Precautions when cleaning If the machine becomes dirty, wipe it with a dry cloth or a cloth soaked in a solution of neutral detergent and wrung out. Splashing water on the device may cause malfunction. Do not use thinner or benzene. The surface may be damaged.

 CAUTION

 Prohibition	Do not drop, hit, or subject it to strong impact. Do not place objects on top of the device. This may cause a malfunction.
 Prohibition	When the AC adapter or USB cable is connected to this device, do not apply strong force to the connector or pull the cable. This may cause a malfunction.

Table of Contents

Safety Precautions.....	1
Introduction.....	6
Checking the Product and Included ItemsError! Bookmark not defined.	
Product Features	7
Name of Each Part	7
How to Turn On and Turn Off the Power	9
Installing the USB Driver	9
Confirm USB Driver Installation.....	10
Bluetooth Pairing Settings (for Windows 10).....	11
Bluetooth Pairing Settings (for Windows 11).....	11
NVDA Settings.....	12
JAWS Settings.....	123
Connection Switching Between USB and Bluetooth	14
Specification	155

Introduction

Thank you for purchasing the Next Touch 40. This product is designed to be used by visually impaired person of all ages. If you are not familiar with Braille or computers, we recommend that you seek help setting up this device from someone who is capable in helping you. We hope that you will use this product as an opportunity to learn about Braille.

Product and Accessories Included.

Please open the package and check the items included. Kindly contact the store where you purchased the product if there are missing item.

No.	Name	Remarks	Quantity
1	Next Touch 40	This Product	1
2	AC adapter	DC5V, 1A	1
3	USB cable	Type-C to Type-A	1
4	Warranty Card	1 year warranty	1

Product Features

The Braille Display “Next Touch 40” is an assistive device for the visually impaired.

- This is a very simple device that specializes in reading Braille.
- It can be used for learning Braille and assisting with computer operation.
- Use by connecting to braille-compatible software such as screen readers and Braille editing software.
- Can be connected to a PC via USB or Bluetooth.

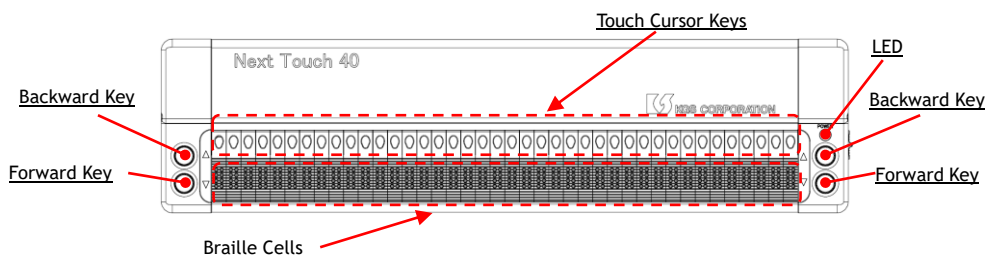
(Ongoing development to Bluetooth connection using android devices.)

- Stylish silver and black body.
- It is lightweight so you can carry it using with one hand.
- The narrow depth and thin body make it suitable for use in front of a PC.

Name of Each Part

This product is a 40-cells Braille display.

Please use it with the Braille cells facing toward you.



Next Touch 40 top view

There are 40 touch cursor keys above the braille cells.

When you press any touch cursor key, the cursor routes to the braille cell where you press the key.

The forward keys and backward keys are placed in pairs on the left and right sides of the top surface.

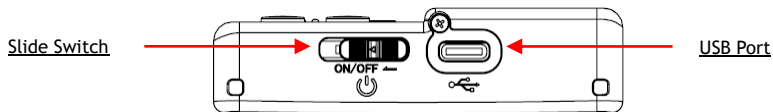
The front keys are the forward key, and the rear keys are the backward keys.

If the Braille text cannot be displayed in one line, press the forward key to read the next line.

If you want to read the previous line, press the backward key.

Press the forward key at the end of a line to display the next sentence.

If you press the backward key at the beginning of a line, the last line of the sentence will be displayed.



Next Touch 40 right side view

The slide switch is on the front side on the right side.

This is used to turn ON/OFF the power of this product.

The USB port is located further back in the center of the right side.

This port is USB Type-C, so there is no need to be aware of the cable orientation, and it is physically robust.

There is no battery. Can be powered only by an AC adapter or USB.

*It can also be powered using a power bank sold on the market.

The LED is located above the backward key on the right side and lights up in green or blue.

Green: Power on / USB Connection

Blue: Bluetooth connection

How to Turn ON and Turn Off the Power

[1] Turn on the power of the product

Plug the cable into the USB port and connect it to your PC or AC adapter. Pull the slide switch toward you for 0.5 to 2 seconds.

The LED will turn green and the state of the pins on the Braille display will change.

When “KGS Next Touch 40” is displayed, startup is complete.

[2] Turn off the power of the product

Pull the slide switch toward you for more than 1 second.

The LED will turn off and the pin on the Braille display will go down.

Installing the USB Driver

This is required if you use this product connected to a PC via USB.

This product uses a USB chip manufactured by Silicon Labs.

Download the driver file from our company's website or Silicon labs' website below.

Our website link (download page)

<https://www.kgs-phil.com/products/braille-display/>

Silicon labs (download page)

<https://www.silabs.com/developers/usb-to-uart-bridge-vcp-drivers?tab=downloads>

The files are compressed, so please unzip them before installing.

File name: CP210x_Universal_Windows_Driver.zip

[1] Using Windows File Explorer, open the folder created by unzipping the downloaded file.

[2] Open the context menu (right click) on the silabser.inf file and select “Install”.

Confirm USB Driver Installation

You can check whether the USB driver has been installed correctly by following the steps below.

[1] Boot your computer and connect this product with the USB cable.

[2] Turn on the power of the product.

[3] Open Windows “Device Manager” and confirm that the USB driver is installed correctly.

If the USB driver is installed correctly, “Silicon Labs CP210x USB to UART Bridge (COM*)” will be added to the “Ports (COM & LPT)” item in the “Device Manager” window.

The number in the * part of COM* may differ depending on the usage environment.

Bluetooth Pairing Settings for Windows 10

- [1] Make sure your PC and device are turned on.
- [2] Press “Windows” key + “I” key.
- [3] Select “Devices” on the “Windows Settings” screen.
- [4] Select “Add Bluetooth or other device”.
- [5] Select “Bluetooth”.
- [6] Select “BM-NextTouch40”.

If the product is successfully paired, the LED will turn blue for about 5 seconds.

- [7] Confirm that “BM-NextTouch40” is added to “Other devices”.
- [8] After completing the pairing settings, check the COM port from “More Bluetooth options” in the “Related settings”.

When selecting a connection port, select the port number whose port direction is “Outgoing”.

Bluetooth Pairing Settings for Windows 11

- [1] Make sure your PC and device are turned on.
- [2] Press the “Windows” key + “I” key.
- [3] Select “Bluetooth & devices” on the “Windows Settings” screen. Select “View more devices” in the right area.
- [4] Change the “Bluetooth devices discovery” item from “Default” to “Advanced”.
- [5] Return to the previous screen and select “Add device”.
- [6] Select “Bluetooth”.

[7] Select “BM-NextTouch40”.

If the product is successfully paired, the LED will turn blue for about 5 seconds.

[8] After completing the pairing settings, select “More Bluetooth settings” from step [3] and check the COM port.

When selecting a connection port, select the port number whose port direction is “Outgoing”.

NVDA Settings

This product can be connected “NVDA” that screen reader can be available free.

Download the installer the link below.

<https://www.nvaccess.org/download/>

Furthermore, you need to install “add-on” file for connection our display and NVDA.

Get the file the link below.

<https://www.kgs-phil.com/products/braille-display/>

➤ Click download button “Download Screen Reader”.

How to install add-on?

[1] Boot NVDA. It can be booted quickly pressing “Windows” + “R” and typing “NVDA”.

[2] Open the right click menu or press “NVDA (Insert)” + “N”.

[3] Select “Tools” > “Manage add-ons...”, then click “install”.

[4] Select the add-on file.

[5] After rebooting NVDA, confirm the status was changed to “Enabled”.

How to connect?

[1] Set the device.

[2] Open the right-click menu or press “NVDA (Insert)” + “N”.

[3] Select “Preferences” > “Settings”.

Then select “Braille” > “Change...”.

You can select “KGS BrailleMemo series” if the add-on file was installed correctly. And can select the connection port if you have prepared to connect.

Please refer to the below link to know how to use furthermore.

<https://www.nvaccess.org/get-help/>

JAWS Settings

(1) Prepare an English OS of Windows PC

(2) Install the Next Touch USB driver.

(3) Install JAWS screen reader

(4) Install KGS Braille display driver

The output port setting is required during installation, so check the port to be connected in advance.

Communication conditions are "9600,n,8,1".

(5) Boot JAWS

Confirm that the Braille display is correct.

If there is no Braille display, check the following contents.

(1) Select "Options -> Braille Basic Settings" from the JAWS menu.

(2) Select "KGS Braille Memo Series" under "Default Braille

If the item is not displayed, select "Add Braille Display" and check "KGS Braille Memo Series".

Set the port to which Next Touch40 is connected and the communication conditions.

*Download link

Screen Reader JAWS download page

<https://support.freedomscientific.com/Downloads/JAWS>

KGS Braille display driver download page (Japanese)

(Download the driver for the corresponding bit number)

https://www.extra.co.jp/jaws/jaws_KGSDriver.html

Connection Switching Between USB and Bluetooth

You can switch between USB and Bluetooth display priority by following the steps below.

- USB priority

Left forward key + Left backward key + Right backward key

- Bluetooth priority

Left backward key + right forward key + right backward key

If the priority connection is offline, the message "USB (or Bluetooth) is not connected" will be displayed.

Product Specification

1. Name	Braille Display
2. Model	Next Touch 40
3. Communication Port	Bluetooth 4.2 USB Type-C (Ver2.0)
4. Braille Cells	40 Cells
5. Power Supply	AC adapter (input AC100-240V, 50/60Hz, output DC5V) or USB power supply (output DC5V)
6. Power Consumption	Max. 2.5W
7. Usage Environment	5 to 35°C 20 to 80%RH (no condensation)
8. Size	W300×D75×H18.5 [mm]
9. Weight	Approximately 520