Analog to Digital Note & USB Tablet   KAIREN Co.,Ltd.

ℚ.Technote
TN-A401 / TN-A501

Technote™ Series

Digital Note Recorder

User manual

Federal Communications Commission (FCC) Radio Frequency Interference Statement

This equipment has been tested and found to comply within the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

● Reorient or relocate the receiving antenna.

● Increase the separation between the equipment and receiver.

● Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

● Consult the dealer or an experienced radio/TV technician for help.

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Note: Specifications mentioned in this manual are subject to change without notice.

Contents

1. Introduction

The Technote Series digital note recorder allows you to instantly capture notes or diagrams written in ink on normal paper, and then transfer a digital copy to a PC for viewing, editing, or sharing by email. Technote supports both portrait and landscape mode, and its unique multi-color ink recognition concept greatly adds to the versatility and functionality of the device.

1.1 Possible applications

Technote can be deployed in any situation where both a paper hardcopy and a digitized soft copy are required, such as taking meeting minutes and lecture notes, but also in the electronic capture of signatures, the processing of police and medical records, or to conduct polls and the completion of forms.

1.2 System requirements

Windows 2000, XP, or higher
Pentium III – 500Mhz CPU or equivalent or higher
Minimum 128MB RAM
Minimum 32MB free hard disk space
One free USB port
CD-ROM drive

1.3 Package contents

TN-A501：
1. TN-A501 Technote digital note recorder
2. 1 x A5 notepad
3. 1 x black digital ink pen(when connect to PC, can be pen of Technote as Pen Tablet), 1 x red digital ink pen, 1 x blue digital ink pen
4. 1 x black, 1 x red, and 1 x blue ink refills (stored in the battery compartment)
5. USB cable for TN-A501 (100cm)
6. 4 x 1.5 volt AAA-size batteries for TN-A501
7. 3 x 1.4V button cell battery for digital ink pens
8. Digital Organizer software, MyScript Notes FOR U software 30days trial version CD-ROM with electronic user manual
9. Mini screw driver
10. Warranty card
11. Quick installation guide
12. 1 x portfolio

TN-A401：
1. TN-A401 Technote digital note recorder
2. 1 x A4 notepad
3. 1 x black digital ink pen(when connect to PC, can be pen of Technote as Pen Tablet), 1 x red digital ink pen, 1 x blue digital ink pen
4. 1 x black, 1 x red, and 1 x blue ink refills.
5. USB cable for TN-A401 (100cm)
6. 4 x 1.5 volt AAA-size batteries for TN-A401
7. 3 x 1.4V button cell battery for digital ink pens
8. Digital Organizer software, MyScript Notes FOR U software CD-ROM with electronic user manual
9. Mini screw driver
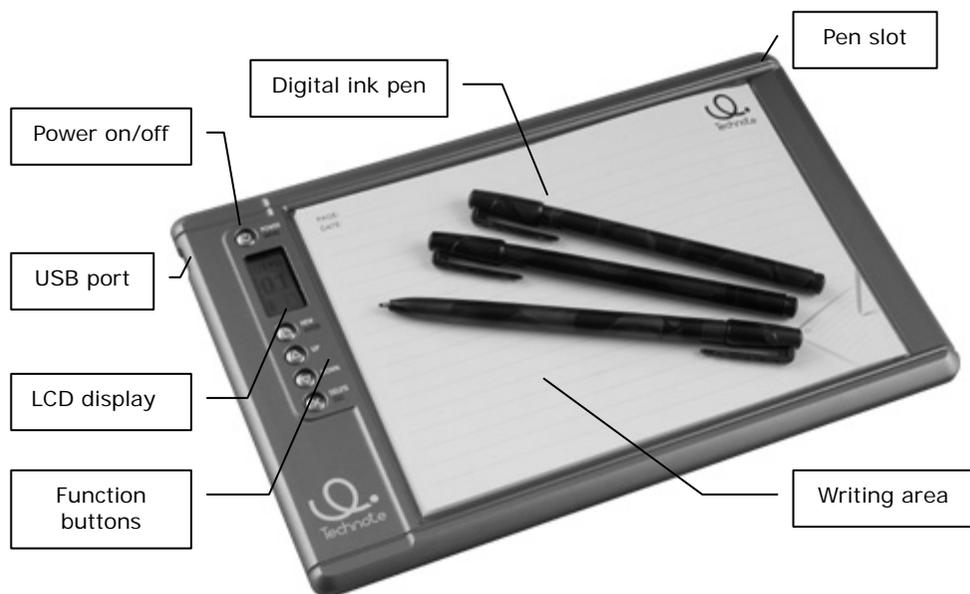10. Warranty card
11. Quick installation guide
12. 1 x portfolio

*Please contact your retailers if some of these items missing or damaged.

2. Parts of the Technote

TN-A501 :

Pen slot
Digital ink pen
Power on/off
USB port
LCD display
Function buttons
Writing area

USB port   Battery compartment   Pen slot

Writing area

The writing area is the area on the TN-A501 where the notepad is placed and everything you write or draw with the digital ink pen is captured by its built in digitizer. The writing area is 150 x 210mm (5.9" x 8.3").

Thickness of the notepad

The TN-A501 supports standard A5 notepad with a maximum thickness of 15mm.

TN-A401 :

USB port
Power on/off
Digital ink pen
LCD display
Function buttons
Writing area

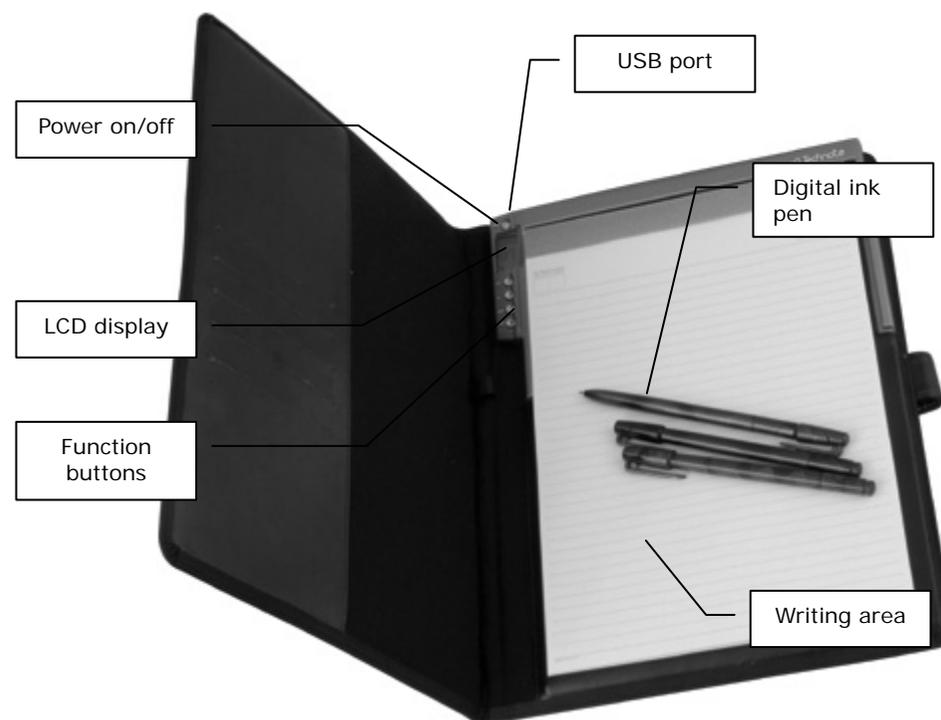USB port   Ink Refills   Battery compartment

Writing area

The writing area is the area on the TN-A401 where the notepad is placed and everything you write or draw with the digital ink pen is captured by its built in digitizer. The writing area is 210 x 263mm (8.3" x 10.3").

Thickness of the notepad

The TN-A401 supports standard A4 notepad with a maximum thickness of 5~7mm.
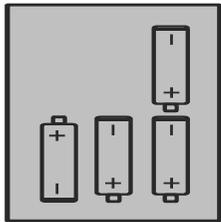
2.1 Installation of the batteries

1. Remove the small screw of the battery compartment cover with the included mini screwdriver.

2. Open the battery compartment of the Technote by lifting its cover while pressing the release latch inward. Insert four batteries (1.5 volt, size AAA) into the battery compartment observing the pole directions as indicated on the inside of the cover. Close the battery compartment by snapping its cover into place.

TN-A501

TN-A401

⚠️ Always turn off the Technote before inserting new batteries.

⚠️ Removing batteries without turning off the equipment will cause file errors.

⚠️ Incorrect battery installation may cause file errors.

⚠️ **WARNING!** When set the battery by wrong way, will leak out liquid through by the battery.

⚠️ Do not mix new and used batteries.

⚠️ Remove the batteries from the Technote if it is not expected to be used for long periods.(over 30 days)

⚠️ When the batteries run out of power，remove them or insert new batteries.

💡 Four AAA alkaline batteries can use approximate 100 hours continuously. Battery run time varies based on the usage pattern of an individual user.

Different brand batteries also may influence battery life.

💡 **RECOMMEND: When set Technote into the portfolio, no need to lock the screw up the battery cover.**

2.2 Installation of the ink pen battery

Unscrew the top part of the digital ink pen and insert the included button cell battery with the negative (-) pole facing the pen tip. Screw both barrel parts together until tight

(-) pole   (+) pole
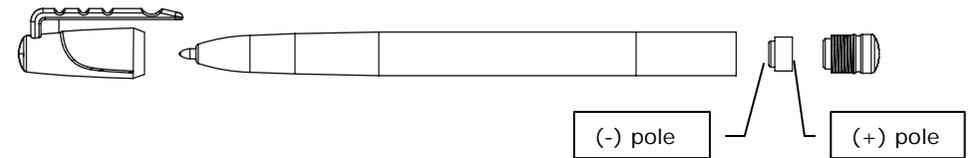
⚠️ Incorrect battery installation will result in the malfunction of the digital ink pen.
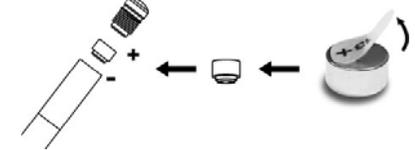
INPORTANT：Remove cover before inserting pen battery.

💡 The battery of the digital ink pen will last for approximately 14 months.

💡 Recommended button-cell batteries:

Brand:	GP	IEC/JIS	Eveready	Varta	Duracell
Type:	GPZA13	PR48	AC13E	V13	DA13X

💡 Recommended ink refills：
1.PLATINUM ball point pen refill, **Model:BSG-25**。
2.Other ball point pen refill made by Ni-Cu : Dimension： 67.16(L) x 2.3mm Ø。

2.3 Attaching a paper notepad

Attach a standard

TN-A501：A5 (150 x 210mm) notepad

by sliding its carton backing down into Technote pad stand.

TN-A401：A4/Letter (210 x 263mm) notepad

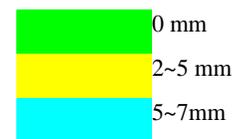⚠ Do not try to force too large notepad into the Technote

＊**Working Area**：

TN-A501：
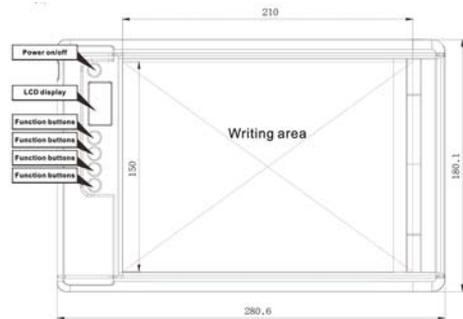
TN-A401：
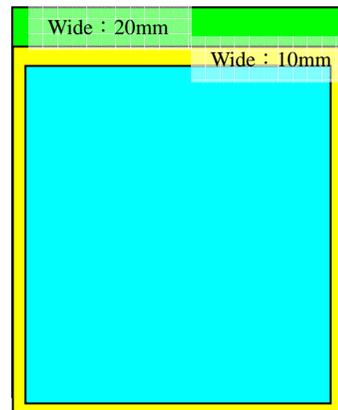
2.4 Built in storage device

The Technote is equipped with a built-in 32MB flash memory to store your handwritten notes as a series of digital pages in a Technote file (*.dnt). Windows will recognize the flash memory as a *removable disk*.

3. Technote operation instructions

After you have completed the installation of the batteries and the notepad you can start in writing or drawings with the digital ink pen. Your notes will instantly be captured and stored in the memory of the Technote as a series of digital pages in a Technote file for later retrieval on your PC. This section will explain the main functions of the Technote.

3.1 Front panel buttons

	Note taking mode		Configuration menu	
⏻	**POWER**	Power on/off	**MENU**	Call up menu
🗋	**NEW**	Start new page	**ENTER**	Confirm
△	**UP**	Previous page	**UP**	Select value up
▽	**DOWN**	Next page	**DOWN**	Select option down
✖	**DELETE**	Erase page in memory	**ESC**	Cancel and return

3.2 Turning on the equipment

Powering up the Technote
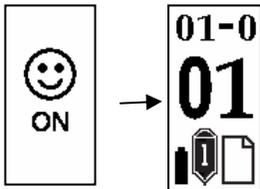
Press and hold the **Power** ⏻ button on the front panel for a few seconds until you see the power-on smiley appears on the LCD display. After a second the main screen of the Technote will appear.

Testing the digital ink pen

Make sure that you have installed the button cell battery in the digital pen before proceeding with the following tests (see section 1.6 for battery installation instructions).
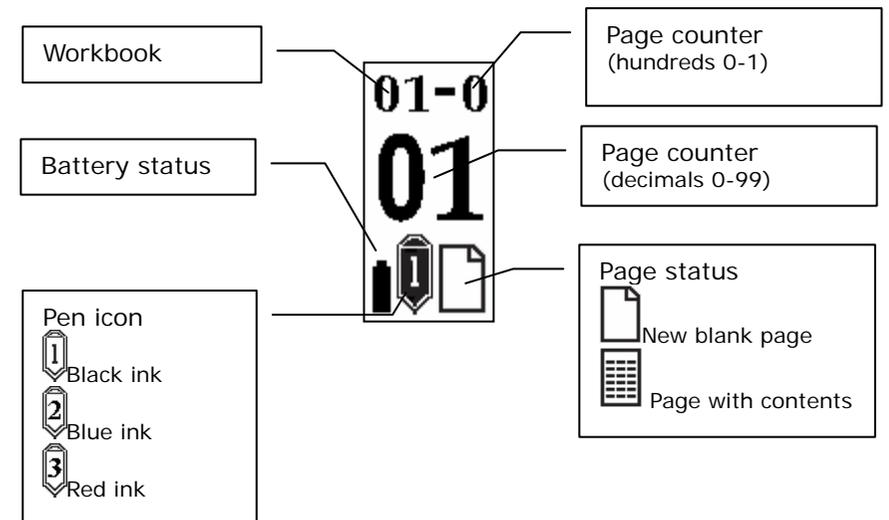
Hover the digital pen closely over the notepad. The pen icon on the LCD display will turn white to indicate that the pen is operational and within reading distance of the built-in digitizer of the Technote.

The pen icon on the main screen will turn black as soon as you touch the pen tip down on the notepad. The Technote will now record all pen strokes that you write on paper.

⚠️ If the *Pen* icon does not appear while you are writing, verify if the button cell battery is properly installed and has not run out of power.

💡 You may use the digital pen as a normal ballpoint pen to write on any piece of paper. However, do not use a normal ballpoint pen to write on the Technote as notes will not be recorded.

The LCD display

Workbook

Battery status

Page counter (hundreds 0-1)

Page counter (decimals 0-99)

Page status
🗋 New blank page
⊞ Page with contents

Pen icon
1⃣ Black ink
2⃣ Blue ink
3⃣ Red ink

Page counter

💡	The decimal two digits of the **page** counter are enlarged in the center of the screen, whereas the hundreds (0-1) are displayed behind the hyphen in the top row of the display.
⚠️	Although the Technote theoretically has the ability to manage up to 99 workbooks of 199 digital pages each, in practice such ability is limited to the maximum storage capacity of the built-in flash memory. The TN-A501 has a storage capacity of 32MB, which is about 150 digital pages, and TN-A401 is about 75 pages.

3.3 Starting a new page

📄 Press the *New* button every time you turn a paper sheet on the notepad to start a new page.

💡 It is **strongly recommended** to number the sheets on your notepad and copy the workbook and page number on the LCD display each time you turn a sheet. This will help to synchronize the paper sheets with the workbooks and digital pages in the Technote's memory.

📄 To avoid the creation of superimposed digital pages, make sure that the page status indicator on the LCD screen displays an empty page before you start writing on a new page.

▦ A densely written paper sheet will take up more memory space than a half empty one.

3.4 Modifying notes

△ Press the *Page Up* button to browse previous sheets and make corrections or additional notes.

💡 You may turn back several sheets at a time to check earlier notes. However, if you want to make additions on a particular sheet, you must synchronize the page counter by repeatedly pressing the *Page Up* button until the page counter indicates the same number as the one you have marked on the sheet itself. Press the *Page Down* button to continue working on the sheet with your most recent notes.

▽ Press the *Page Down* button after browsing previous sheets on your notepad. This will return the digital page record to the sheet with your most recent notes.

3.5 Deleting pages

✖ Pressing the *Delete* button equals tearing off or crossing out a paper sheet of the notepad.

⌧
🗋YES
✕NO
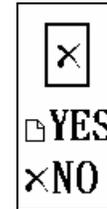
After pressing the Delete button a security warning will appear on the LCD screen.

Press 🗋 to confirm the operation

Press ✖ to cancel and return to note taking mode

⚠️ Be very prudent not to push the Delete button accidentally, as the contents of an erased digital page in memory can not be recovered, and page number synchronization may become corrupt!

💡 Although deleting pages using the *Delete* button will free up memory space, this method is mainly provided as an emergency option. It is recommended to use the Digital Organizer software that comes with the Technote to delete pages from memory after download to a PC.

3.6 Configuring your Technote

The Technote is designed to be used in a wide variety of applications and environments. With its built-in menus you can easily configure the Technote to your specific needs. The menus will allow you, for instance, to change the paper orientation from portrait to landscape, start a new workbook, or adjust battery power saving options.

Accessing the main menu

You can access the main menu anytime while taking notes by shortly pressing the **Power** ⏻ button on the front panel. The main menu will appear on the LCD display. By pressing the △ or the ▽ function buttons on the front panel you can select one of the following four menus:

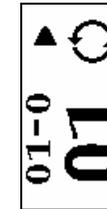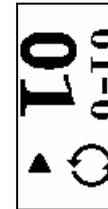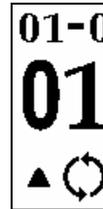|	
↻	**Rotate**: This menu allows you to adjust the paper orientation from portrait to landscape or even use the Technote upside down.
📖	**Workbook**: Start a new workbook (e.g. at the start of a new meeting), or after changing a notepad. **Format disk**: Use this option to format the flash memory and erase all of its content. **Version Information.** **Tablet Function Selection:** User can switch on or off Tablet function by this option.
⏻	**Suspend**: You can significantly prolong battery life by adjusting the auto shut-down timer of the Technote.
ⓘ	**Status**: This option lets you check the status of the batteries or the amount of memory space left for recording notes.

3.6.1 The Rotate menu

1. Press △ to select the ↻ rotate sub-menu.

2. Press ⃞ [ENTER] to confirm.
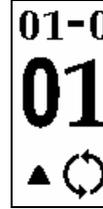
3. Press △ to adjust the paper orientation with steps of $90°$ each:

4. Press ⃞ to confirm and return to the main menu

|	
💡	⃞ Enter ✖ Esc Return to main menu ⏻ Return to note taking mode

3.6.2 The Workbook menu

Includes：Workbook / Format Disk / Version Information / Tablet Function Selection

3.6.2.1 The Workbook menu - Workbook menu

1. Press ▽ to select the 📖 workbook sub-menu.

2. Press 🗋 [ENTER] to confirm.

3. Press ▽ to increase the workbook number.

01

4. Press 🗋 to confirm and return to the main menu.

💡 🗋 Enter ✖ Esc Return to main menu ⏻ Return to note taking mode

3.6.2.2 The Workbook – Format Disk command

1. Press ▽ to select the 📖 workbook sub-menu.

2. Press 🗋 [ENTER] to confirm.

3. Press ▽ to select the Format Disk command.
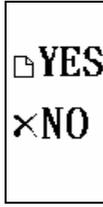
4. Press 🗋 to confirm the operation. After finish this function, Technote would auto-turn off

🗋YES

✖NO   Press ✖ to cancel and return to main menu

⚠️ **The Workbook-Format command will erase all data in the flash memory of the Technote!**

⚠️ **Do not use the Format command of Windows to format the flash memory as this may cause incompatibility problems in the internal file system!**

💡 🗋 **Enter** ✖ **Esc Return to main menu** ⏻ **Return to note taking mode**

3.6.2.3   The Workbook – Version Information

1. Press ▽ to select the 📖 workbook sub-menu.

2. Press ⬜ [ENTER] to confirm.

3. Press ▽ to select the Version Information command.

4. User can see the version information on LCD display.
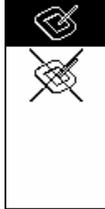After 5 seconds, it will return to note taking mode.

V16B

💡 ⬜ **Enter**   ✖ **Esc Return to main menu**   ⏻ **Return to note taking mode**

3.6.2.4   The Workbook – Tablet Function Selection

1. Press ▽ to select the 📖 workbook sub-menu.

2. Press ⬜ [ENTER] to confirm.

3. Press ▽ to select the Tablet command.

4. Press 🖊 to open tablet function (default) or select 🚫 to close tablet function, then press ⬜ to confirm the operation.

💡 ⬜ **Enter**   ✖ **Esc Return to main menu**   ⏻ **Return to note taking mode**

3.6.3 Setting the auto-suspend timer(3-60mins)

1. Press ▽ to select the ⏻ suspending sub-menu.

2. Press ☐ [ENTER] to confirm.

💡 The default idle time is set at 15 minutes.

3. Press △ or ▽ to increase or decrease the idle time (from 3 ~ 60 minutes) after which the Technote will automatically switch off.

4. Press ☐ to confirm and return to the main menu.

💡 ☐ Enter   ✖ Esc Return to main menu   ⏻ Return to note taking mode

3.6.4 The remaining disk space / battery capacity display

1. Press ▽ to select the ⓘ status menu.
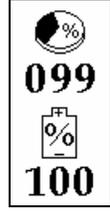
2. Press ☐ [ENTER] to confirm.

Remaining disk space in %

Remaining battery capacity in %

3. Press ✖ to return to the main menu.

💡 ☐ Enter   ✖ Esc Return to main menu   ⏻ Return to note taking mode

3.7 Turning off the Technote

Press and hold the **Power** ⏻ button for about <u>three</u> seconds to manually switch off the Technote.

4. The Digital Organizer

The Digital Organizer lets you view, edit, annotate, or e-mail your digital pages in Windows. You can download the digital pages from the Technote's built in memory to your computer, and organize, rename, delete, or save them in most frequently used file formats like JPG, BMP, or PDF.

4.1 Installing the Digital Organizer software

1. Turn on your computer and start Windows

2. Insert the Digital Organizer CD into the CD-ROM driver. If your system has the "Auto run" function enabled, your screen will display the setup screen menu. If the setup screen did not appear after a while, double click *My computer* on the Windows desktop, and then the *Compact Disc* icon and the *Setup* icon in succession.


3. Confirm the location of the destination folder (recommended) and click [OK].

4. To proceed with the installation, click [OK], wait until the installation is completed, and click [OK] again.

4.2 Downloading digital pages from the Technote

1.Take the Technote USB cable that is included in the package, and plug the small connector of the cable into the USB connector on the technote. Make sure your computer is turned on and plug the wide connector of the cable into an available USB port on your computer
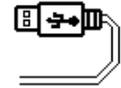
2.The LCD display will show a USB connector diagram to confirm that you have successfully established a USB connection between the Technote and your PC, and that the Technote is in *pen tablet mode* (see section 4.4).

Technote in pen tablet mode

⚠ The Technote will not be able to capture notes while it is in *pen tablet mode.*

⚠ Do not use the 32MB flash memory of the Technote as a storage disk as file errors may occur!
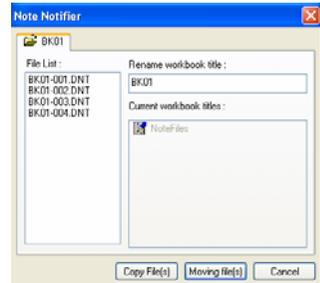
💡 The Technote won't use battery power but will receive its power from the computer during the USB connection.

4.3 Importing digital pages

1   After you plug in the USB connector to your PC, "Note Notifier" screen will comes automatically. Press [OK] to confirm.

2   Use the dialog to select [Copy File(s)] or [Moving File(s)].

3   Then your screen will display another new screen to show the transferring status.

4   When the transfer finished, we can find a new folder named "NoteFiles" in My Document.

4.4 Using the Technote as a pen tablet

As soon as you have established a USB connection with your PC, the Technote will instantly double as a pen tablet. You can use the digital ink pen as an input stylus in a much the same way as the stylus of a traditional pen tablet, a tablet PC, or hand-hold computer.

In pen tablet mode, you can hover the pen over the writing area to navigate the cursor across the screen, tap and double-tap on program icons to select and open them, and annotate your notes in the Digital Organizer program as well as in mainstream applications that allow free-hand pen input.

For a correct mapping of the screen you must turn the Technote as the same direction as USB connector showing on LCD display..

Avoid direct contact between the pen tip and the writing area surface. Cover the writing area with a sheet of paper, or just use an empty page of your notepad when using the Technote in pen tablet mode. This will avoid scratches or ink traces on the Technote's surface.

4.5 The Digital Organizer main screen

To start the program in Windows 2000 (or XP), double click on the Technote icon ⬛ on the Windows desktop. Alternatively, click [Start] ► [Programs] ► [Technote] ► [Technote icon ⬛]. The Digital Organizer's main window will appear on your screen:
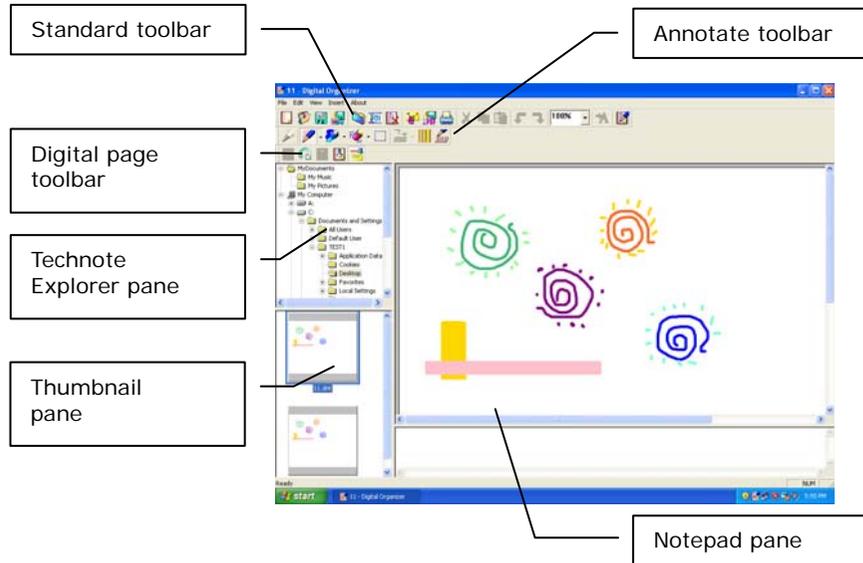
4.5.1 Show/Hide lines on the notepad

💡 Select *Show lines on the notepad* from the *View* menu to show or hide the lines on the *Notepad pane*.
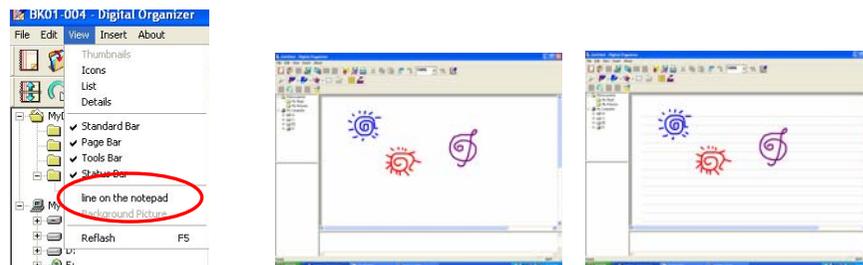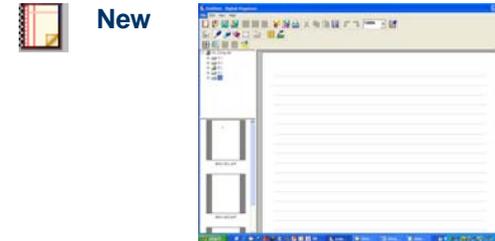
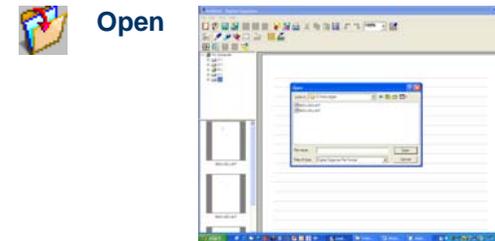

4.6 The standard toolbar

Located at the upper left of the screen, the *standard toolbar* contains icons for all usual desktop functions like opening, saving, printing files, cut, copy, or paste selections, etc. A detailed description of its icons below.

|		
New		Create a new Technote digital page from scratch.
Open		Open an existing Technote file. Use the dialog to locate the file in the Technote flash memory, or on your hard disk
Save		Save the currently selected digital page. The page will be saved as a Technote digital page with a .DNT file name extension.
Save as		

Save the currently selected digital page under another file name or in another file format (e.g. .dnt, .jpg, .bmp, .pdf, .notes, etc.)

New Folder

Organizing digital pages on your hard disk
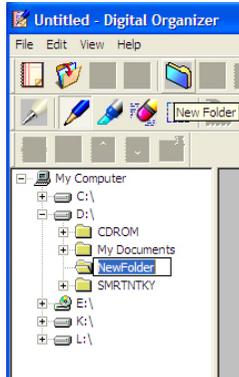
In Technote Explorer, click on a folder where you want to create a subfolder, and click on the **New folder** icon. Key in an appropriate folder name, and press [Enter].

You can easily move a specific selection of digital pages by dragging the thumbnails from the *Thumbnail pane* to the new folder in the *Technote Explorer pane*.

Select and hold down the *Shift*-key on the thumbnails to select consecutive pages, or the *Ctrl*-key to select non-consecutive pages, and drag the pages to the new folder you created in the *Technote Explorer pane*.

Freeing up space on the flash memory

You can free up space or even totally erase the flash memory of the Technote by moving a selection or all digital pages to your hard disk: Select the Technote's *Removable Disk* in the *Technote explorer*, select the digital pages you want to erase (see section 4.8 under *Selection techniques*), and click on the *Delete* icon in the *Standard toolbar*.
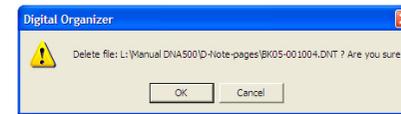
Make sure to make back-ups of the digital pages in the flash memory of the Technote by copying them to a folder on your hard disk before erasing them. Once erased digital pages cannot be recovered!

Rename Click on the **Rename** icon and key in the new name in the thumbnail's caption.

Delete

Click on the **Delete** icon to delete the selected digital page(s). Click [OK] to confirm, or [Cancel] to abort this action.
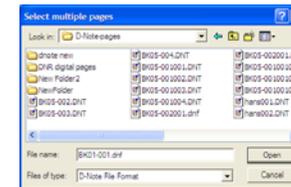
Digital pages that are deleted using this function can not be recovered!

E-Mail

Use the **E-Mail** icon to attach your selection of digital pages in the *Thumbnail pane* as a series of JPG file attachments, or as a multi-page PDF file, in e-mail programs such as MS Outlook or Outlook Express.
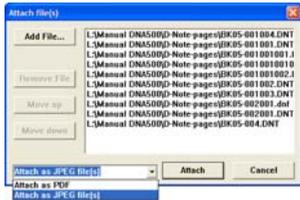

1. After clicking on the *E-Mail* icon your selection will appear in the *Attach file(s)* dialog box.
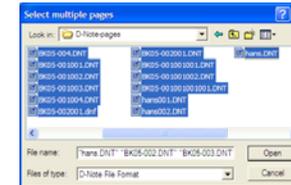
2. Hold down the *Shift*-key and move the cursor to the right to select consecutive pages.
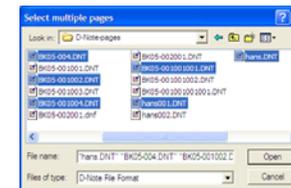
3. Or hold down the *Ctrl*-key and click on individual file names to select non-consecutive pages.

4. Click on the [Add File…] button in the dialog box, and browse to the digital page files on your hard disk that you would like to add to your selection. Click on the [Move up] or [Move down] buttons to change the order of the pages. In the drop down menu, select whether you want to attach the pages as JPG files or a PDF file.
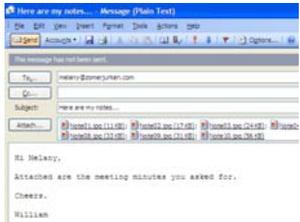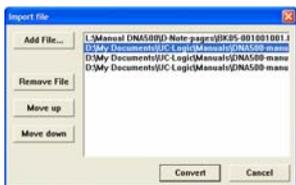
5. Click on the [Attach] button in the dialog box to finalize the operation. Your e-mail program will open and your pages will be attached as a series of JPG files, or…
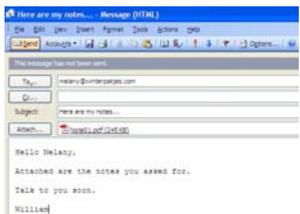
6. …as a multi-page PDF file.

Save as PDF

With the **Save as PDF** icon you can compile and save your digital pages as a multi-page PDF file. First, create a selection of digital pages in the *Thumbnail pane* by holding down the *Shift*-key to select consecutive pages, or the *Ctrl*-key to select non-consecutive pages.

Then click on the *Save as PDF* icon to open the dialog box and select the digital pages(s) you wish to save as a multi-page PDF file.

To add files to your selection from other places on your hard disk click on the [Add File…] button in the dialog box, and browse to the files you want to add. Click on the [Move up] or [Move down] buttons to change the order of the pages in the PDF file, or [Remove file] to remove a digital page from your selection.

Click the [Convert] button to finalize the operation and save your selection in a folder of your choice on your hard disk.

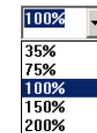|		
Print	Print the currently selected digital page	
Cut	Cut the selected strokes or objects in the *Notepad pane*	
Copy	Copy the selected strokes or objects in the *Notepad pane*	
Paste	Paste the selected strokes or objects in the *Notepad pane*	
Undo	Undo the last action	
Redo	Redo the last action	
Zoom	Click on the down arrow in the **Zoom** drop down menu and select the zoom factor.	
Handwriting Recognition	MyScript Notes FOR U with 13 Languages as available. (see section 5)	
About	Click on the **About** icon to check for the latest software updates of the Digital Organizer program.	

4.7 The annotate toolbar

The *Annotate toolbar* lets you annotate your digital pages with pens and highlighters in various colors and shapes. A built-in eraser function is provided to easily make corrections. You can use the pen tablet functionality of the Technote (see section 4.4) to quickly and conveniently annotate your digital pages.

 Technote pen properties
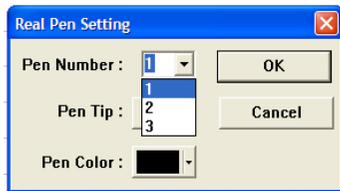
Use this dialog box to select the pen type, and the color and shape of the pen tip, and modify the recordeTechnotes in the *Notepad pane*.

1. Start with selecting the objects you want to modify with the *Select tool* ▭ (see below). The selection will then appear in a selection box. You can now change pen tip colors and shapes, and click the [OK] button to confirm.
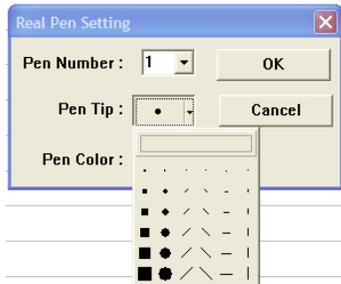
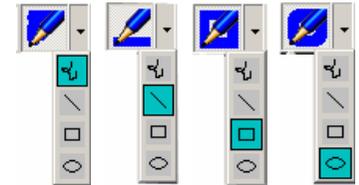2. Select the pen-tip shape. Click the [OK] button to confirm.
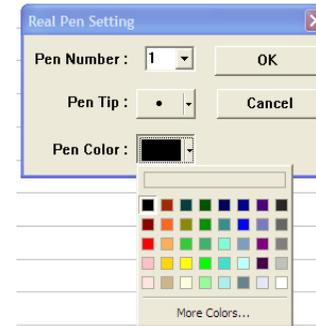
3. Select the pen color. Click on the [More Colors…] button to expand the color menu. Click the [OK] button to confirm.
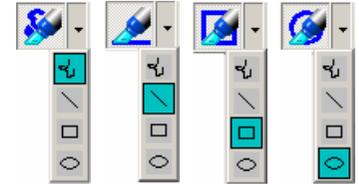

Pen — Select the **Pen** icon to annotate the *Notepad pane* with the pen tool. There are 4 different shapes (curve、line、ellipse、rectangle) to select.

Highlighter — Select the **Highlighter** icon to highlight parts of the *Notepad pane* with transparent highlighter ink. There are 4 different shapes (curve、line、ellipse、rectangle) to select.
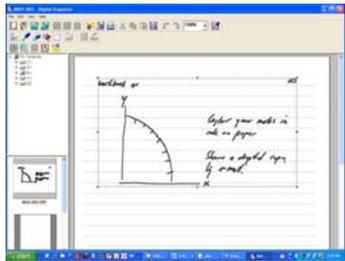

Erase stroke — Select the **Erase stroke** icon to clear pen strokes or objects one by one by moving the eraser cursor over the stroke(s) you want to delete. There are 4 different areas to select.


Select tool: Copying and moving objects

Drag the cursor over the area or objects in the *Notepad pane* that you want to select for cutting, copying, or pasting through the *Cut*, *Copy*, or *Paste* commands, or restyle through the *Annotate pen properties* command.
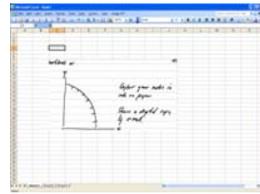
You can directly copy and paste your selection in Microsoft Office programs such as Word, Excel, and Outlook for further processing or sending by e-mail.
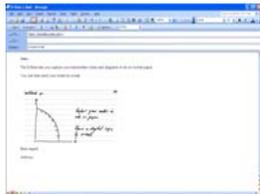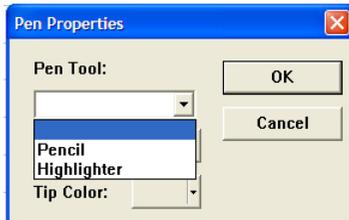

MS Outlook

MS Word

MS Excel

Annotate pen properties

Use this Pen Properties dialog box to modify the annotations in the *Notepad pane*.

1. Start with selecting the objects you want to modify with the *Select tool* ▢ (see above). The selection will appear in a selection box. You can now change pen tip colors and shapes, and click the [OK] button to confirm.
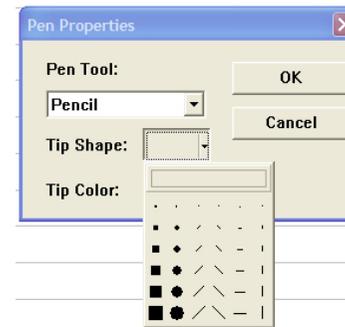
2. Select the pen tip shape. Click the [OK] button to confirm.
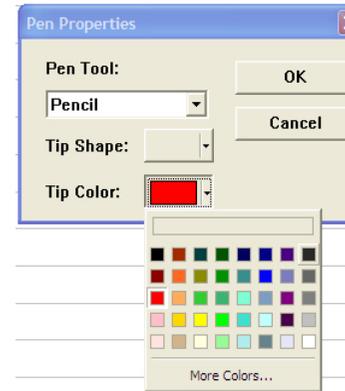
3. Select the pen color. Click on the [More Colors…] button to expand the color menu. Click the [OK] button to confirm.
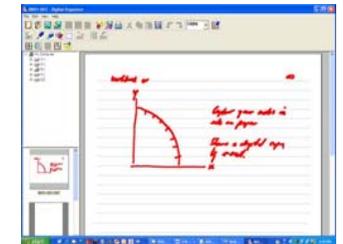
Result

Pen tip shape

Click on the **Pen tip shape** icon to select the size and shape of the pen tip. Changing the pen tip shape allows you to create some stunning calligraphy.

 Pen

 Highlighter

 Pen tip color

More Color ...

Click on the **Pen tip color** icon to open the color menu and select or change the colors of the pen or highlighter. Click on [More Color…] to expand the color menu.

4.8 The Digital page toolbar

The *Digital page toolbar* offers some powerful functions to manipulate and repair your digital pages.

 Untangle superimposed pages

A commonly mistake made by users is to forget pressing the *New page* 📄 front panel button each and every time they turn a paper sheet on the notepad to start a new digital page in memory.
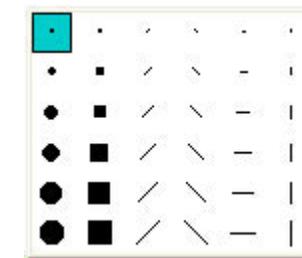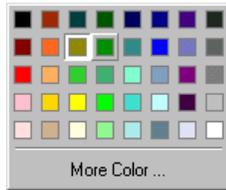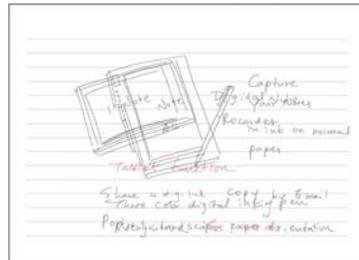
This will unavoidably result in superimposed digital pages in the Technote's memory with notes and diagrams of a later recorded page being superimposed over an earlier one. Such superimposed pages will then appear as gibberish in the Digital Organizer window.

With the **Untangle** function you can track the recordeTechnote as a sequence of frames, and split the superimposed page at the point in time where you forgot to press the *New page* button. The result will be two separate and perfectly readable pages again:
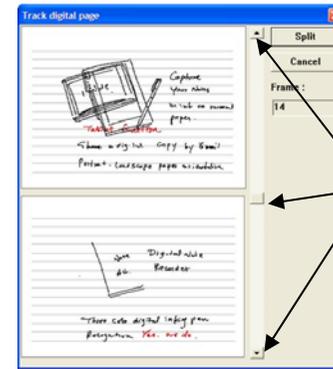
Frame slider and up and down arrows

Click on the **Untangle** icon to open a dialog box consisting of two pages:

The top page will present the earlier recorded page. The Digital Organizer software will automatically try to guess at what point in time you forgot to press the *New page* button. The bottom page will show the notes and diagrams of the superimposed page.
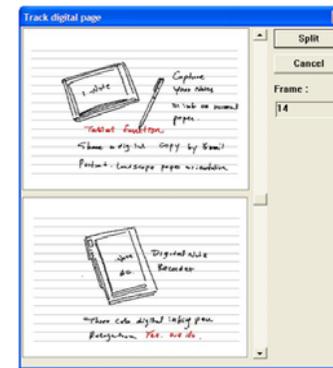
You can fine tune the untangling process by dragging the frame slider up or down the scroll bar, and release the left mouse button.

You can also click on the up or down arrows at the top or bottom of the scroll bar to step through the note recording frame by frame.

Click on the [Untangle] button to divide the superimposed pages into two new and repaired ones.

 Rotate page — Rotate the currently selected digital page clockwise or counter-clockwise.

 Page up — Move to the previous digital page in the *Thumbnail pane.*

 Page down — Move to the next digital page in the *Thumbnail pane.*

 Comments
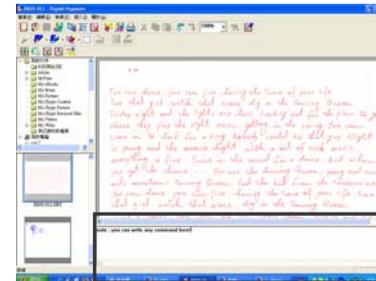
Key in the comments that you want to attach to the selected digital page.

4.9 Others

4.9.1 Insert background picture

1.Start with selecting the [Background Picture] under [Insert] on the view menu.
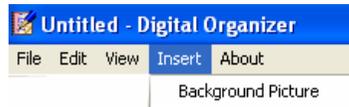
2.Use the dialog to select the background picture、position and color, then click [OK] button to confirm.
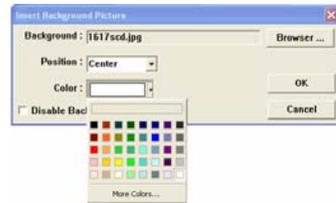
3.The picture is set as background on your digital notepad pane。
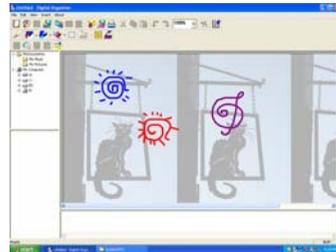
5. Recommend Software Information

MyScript Notes FOR U – 30 days Trial Version(TN-A501only)

KAIREN free support MyScript Notes FOR U software that converts your handwritten notes from Technote into digital text – support of 13 languages: English(UK), English(US), Japanese, French, Simplified Chinese, German, Spanish, Portuguese, Italian, Danish, Dutch, Finnish, and Swedish.

MyScript Notes FOR U is a ready-to-use handwriting recognition software that converts handwritten words, drawing, diagrams and etc into electronic files, further of editing under Microsoft Word or Outlook express.

If full version or more languages requested, please contact with your retailers or distributors.

The regular version is attached to TN-A401.

Appendix

Replacing the ink cartridge of the digital pen

Open the compartment of the Technote by lifting its cover while pressing the release latch inward, and locate the ink cartridge and the notch to extract the cartridge from the pen.

1. Hold the digital pen upright and insert the cartridge tip into the center of the notch.
2. Gently push the pen inside the notch.
3. Gently pull out the ink cartridge from the pen.
4. Insert a new cartridge and press the tip firmly against a hard surface until it snaps into place.

TN-A501   **TN-A401**

Replacing the battery of the digital pen

Even though the battery of the digital pen will last for approximately 14 months, the battery in the pen may be exhausted if you receive erratically missing, lengthened, shortened, or twisted digital ink strokes, or a significant decrease of the thickness of the strokes. If so, please replace the battery (refer to section 1.6 for instructions as to how to replace the pen's battery).

Taking care of your Technote

To assure proper functioning of the Technote, please observe the following precautions:

- Remove the batteries from the Technote if it is not expected to be used for long periods. This will eliminate the possibility of battery liquid leaking from the batteries and corroding internal components.

- Remove the button-cell battery from the digital ink pen if it is not expected to be used for long periods.

- Avoid placing magnetic media or hot or heavy items on the surface of the Technote.

- Clean the pen and the housing of with a soft cloth lightly dampened with water or a neutral detergent.

- Never drop the digital pen or the note recorder. The TECHNOTE may malfunction if subjected to strong shocks or vibration.

- Avoid cutting or scratching the surface of the TECHNOTE.

- Never immerse the pen or digital not recorder in liquid.

- Avoid operating or storing the pen and the recorder in extremely hot or cold temperatures, or where the relative humidity is high.

- Never take the TECHNOTE or pen apart as this will void warranty. Leave service of the device to qualified technicians

- Do not use or store the TECHNOTE in the vicinity of equipment that generates strong electromagnetic radiation or magnetic fields.

- When not in use, please put back on the pen point cap to save energy mode. Otherwise, avoid to frequency influenced.

Troubleshooting

? *A superimposed digital page is created.*

Make sure to press the *New* button on the front panel every time you turn a paper sheet on the notepad to start a new digital page, and make sure that the *Page* icon on the LCD display shows an empty page ☐. Note: You can repair superimposed pages with the *Untangle* function (see section 4.8).

? *The TECHNOTE has recorded only part of all notes.*

- The batteries in the TECHNOTE may have run out of power during a note taking session. Please replace the batteries (see section 2.1 for instructions).

- The battery in the digital pen may have run out of power during a note taking session. Please check if the pen icon on the LCD display is either white ▢ or black ▮ (see also section 3.2) in note taking mode to assure the digital pen is working.

- Please check if the battery cover is properly closed in note taking mode.

- You may have used a notepad thicker than the maximum thickness. This will cause the digital pen tip to move outside of the reading height range of the TECHNOTE. Please check if the pen icon on the LCD display is either white ▢ or black ▮ (see also section 3.2) in note taking mode to assure a proper reading height distance.

- After you have switched on the device, it may take a second or two for the page icon - ☐ or ▦ - to appear on the LCD display. Please give the TECHNOTE the chance to properly start up.

- You may have set the auto-suspend timer to too short a period of idle time (see 3.6.3.). Please increase the auto suspend time.

- Do not use two pens at the same time, or place one pen on the notepad while writing with the other one.

- Technote didn't connect to PC yet.

? *Can't Open*

- The batteries in the TECHNOTE may have run out of power during a note taking session. Please replace the batteries (see section 2.1 for instructions).

- Technote are working for store pages to Computer.

? *The Page counter has not yet reached 199, but the memory is full.*

Although the TECHNOTE theoretically has the ability to manage up to 99 workbooks of 199 digital pages each, in practice such ability is limited to the maximum storage capacity of the built-in flash memory. The TN-A501 has a storage capacity of 32MB, which is about 150 digital pages. And TN-A401 can store about 75 pages. Therefore, you can store pages into computer, and then format Technote. So you can write new page now.

Glossary

Technote file – A proprietary file format used to store digitized pen movements in the flash memory of a Technote digital note recorder. The source file can generate captured objects as a series of digital pages. The file extension is *.DNT

Flash memory - A solid-state, nonvolatile, rewritable memory that functions like a combination of RAM and hard disk. Flash memory is durable, operates at low voltages, and retains data when power is off.

Pen tablet - A pen tablet (or graphics tablet) is a computer peripheral device that allows for a relatively simple method of inputting freehanTechnotes, graphics or art into a computer in real time.

Technical specifications

TN-A5O1：

Digital notepad specifications

Technology	Electromagnetic digitizer
Dimensions	281(L) x 180(W) x 15(H) mm
Weight	358g (not including batteries)
Paper size	150 x 210mm DIN A5
Thickness notepad	Max. 15 mm
Storage medium	Built-in with 32MB flash memory
Power Source	Alkaline batteries AAA 1.5V x 4
Battery Life	About 100 hours (continuous use)
Work Current	3V / 20mA ± 5mA
Power Consumption	60mW ± 15mW
Power saving	Auto suspend after 15 min (default). idle time (configurable)
Interface	USB 1.1

Digital ink pen specifications

Dimensions	152(L) x 16mm Ø
Weight	12g including battery
Power source	One 1.4V button cell battery (PR48)
Battery Life	About 500 hours (continuous use)
Ink cartridge	67.16(L) x 2.3mm Ø

File formats

Proprietary	dnt
Mainstream	pdf ; bmp ; jpg ; notes

TN-A4O1：

Digital notepad specifications

Technology	Electromagnetic digitizer
Dimensions	332(L) x 249(W) x 16(H) mm
Weight	545g (not including batteries)
Paper size	A4 size – 210 x 297mm Letter size – 215.9 x 279.4 mm Working Area：210 x 263mm
Thickness notepad	Max. 5~7 mm
Storage medium	Built-in with 32MB flash memory
Power Source	Alkaline batteries AAA 1.5V x 4
Battery Life	About 100 hours (continuous use)
Work Current	3V / 20mA ± 5mA
Power Consumption	60mW ± 15mW
Power saving	Auto suspend after 15 min (default). idle time (configurable)
Interface	USB 1.1

Digital ink pen specifications

Dimensions	152(L) x 16mm Ø
Weight	12g including battery
Power source	One 1.4V button cell battery (PR48)
Battery Life	About 500 hours (continuous use)
Ink cartridge	67.16(L) x 2.3mm Ø

File formats

Proprietary	dnt
Mainstream	pdf ; bmp ; jpg ; notes

⚠Specifications changed without prior advice, please go through our website at www.KAIREN.co.jp for upgrade.