NEO SMARTPEN

papertube®

User Guide

What's in the package

Neo Smartpen dimo(D1 ballpoint pen tip)	Smart Class Note(Notebook)
AAA Battery 1ea	Paper Controller
Stylus tip	Smart device stand
Smart Plate	User Guide

papertube

This package includes video production application.
Download PaperTube® app and, Showcase Your Story!

GET IT ON
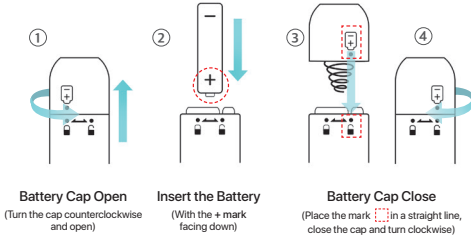Google Play

Download on the
App Store

<for AOS>   <for iOS>

Get Ready

Insert the battery into the pen referring image guide.

① ② ③ ④

Battery Cap Open
(Turn the cap counterclockwise and open)

Insert the Battery
(With the **+ mark** facing down)

Battery Cap Close
(Place the mark in a straight line, close the cap and turn clockwise)

Holding the Pen

The recognition rate is affected by the direction of the optical sensor's angle. The sensor (oval shaped part adjacent to the pen tip) should face downwards. Deviating from the appropriate angle, or holding the pen in the wrong direction could cause difficulties with capturing your writing or drawing.
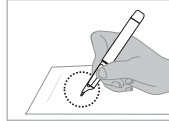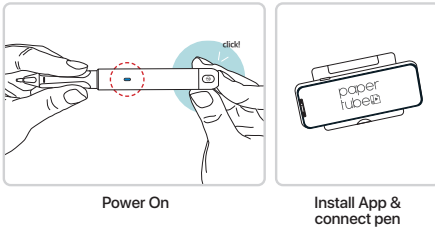
Usage Angle
Hold the pen with the ball point nib facing up
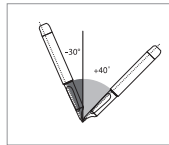
Allowable Recognition Angle
Product's acceptable recognition angle is -30° ~ +40°
(90° vertical standard)

-30°
+40°

Press the power button for 1 second, and connect it to PaperTube™ app.

click!

paper tube

Power On

Install App & connect pen

Select the mode in your preference to make your lecture video.

1. Make a video only with handwriting.
(use a blank notebook)

2. Annotate PDF imported
(use my own material)

LED Color Status Key

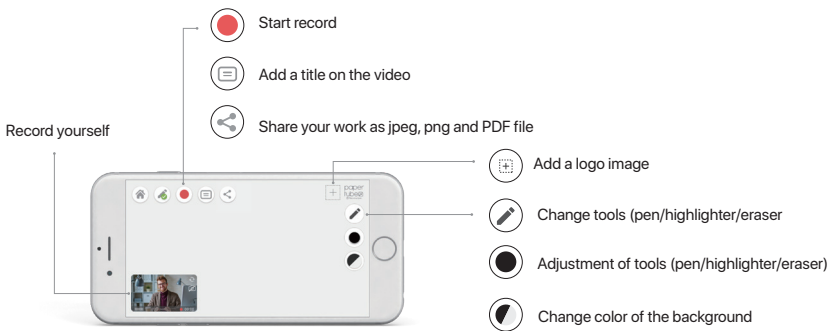| Status / 상태	LED Color/Action / 컬러
Power ON / Stand by	light on
Power OFF	- - - - - - and light off
Low battery (lower than 20%)	light on
Low battery (lower than 10%)	flashes
Connected to App	light on
Firmware update	flashes
Fail to update firmware	flashes
Optical lens on the pen cannot read the code on the paper	light on

Introduction of PaperTube™

PaperTube is a video production app that creates visual contents for spreading your ideas. You can create a variety of videos through your blank notes or your own material. Also, your own template can be printed with Ncode A4 paper using blueprint function. Scan the QR code on the right to look around how people use PaperTube™ app for online lectures and remote classes.

<English>

APP ICON FUNCTION

Record yourself

- Start record
- Add a title on the video
- Share your work as jpeg, png and PDF file
- Add a logo image
- Change tools (pen/highlighter/eraser)
- Adjustment of tools (pen/highlighter/eraser)
- Change color of the background

HOW TO USE

with blank notebook	with my own material	with my own material
	Plate Mode	Print Mode
Use a Smart class note	Use a Plate	Use a printed Ncode A4

Ncode A4 is a paper where Ncode is imprinted and it is specialized for printing the contents for PaperTube.

Tips

For Android Device Users

Turn on flight mode to prevent any possible interruption by notification while recording.

For All Users

Please make sure Bluetooth enabled on your device before connection.

Pen Firmware Updates

Please update the firmware to the latest version. After connect the pen to App, Go to management > Firmware update.

※ Do not disconnect or turn off the power while the update is in progress.

* For M1(F50), N2(F121) users, please update the pen firmware, to use hover function that indicates the position of the pen on PaperTube app.

PaperTube™ Controller Function

PaperTube controller which can let you select various effects on PaperTube app screen just by touching with Neo smartpen helps you to create video contents easily without navigating.

Connect a Neo smartpen dimo to PaperTube™ app and touch the icon with the pen.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

| | | | | | | Page Control | | | | Sound effect | | | | | |

1. Start recording
2. Stop recording
3. Undo
4. Redo
5. Eraser
6. Delete all

7. Zoom in
8. Zoom out
9. Page width fit
10. Page height fit
11. Zapplause
12. Magic

13. Drum
14. Pass
15. Fail
16. Disappointed

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

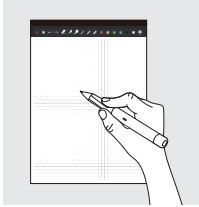| Thickness | | | | Pen Colors | | | | | | Camera Control | | | | For PDF documents | |

17. Ballpoint pen
18. Stroke thickness down
19. Stroke thickness up
20. Highlighter
21. Red
22. Yellow

23. Green
24. Light Blue
25. Black
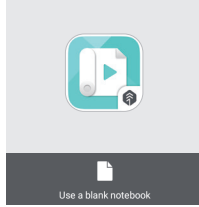26. White
27. Camera on/off
28. Camera opacity down

29. Camera opacity up
30. Camera full-view
31. Previous Page
32. Next Page
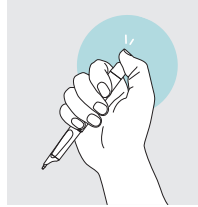
USE A BLANK NOTEBOOK
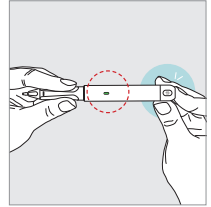
Connecting the pen to App

Prepare the note

Open the app and select 'blank notebook'
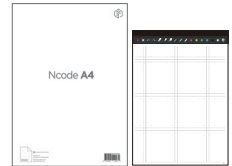

Turn on the pen and connect to App

LED turn into green when connected

Writing & Recording

1. Click ⊟, if you want to add a title in the beginning of your video.
2. Click ⊕, if you want to add logo of your institute.
3. Touch 🔴 to start recording.
4. Create unique and professional contents with your handwritings.
5. Touch 🔵 to stop recording
6. Click `Save` to save your video work, or click `Upload` to upload it on youtube directly.
7. Click ⪡ to share handwriting as PDF,PNG and JPG
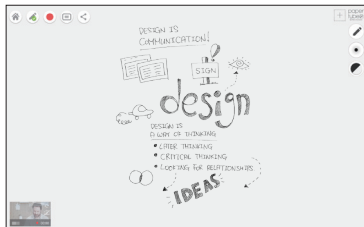
Tips!

Ncode A4, and other Ncode imprinted papers work with the app as well.

Notice

Plate works on 'plate mode' only.

Device Storage	Minimum required storage
16 Gb	1 Gb
32 Gb	2 Gb
64 Gb or above	4 Gb

Please check the storage of your device before start recording.

USE MY OWN MATERIAL_Plate mode

Connecting the pen to App

| Change to stylus tip | Prepare the plate | Select 'use my own material' | Browse and select pdf. Then, start plate mode | Turn on the pen and connect to App |
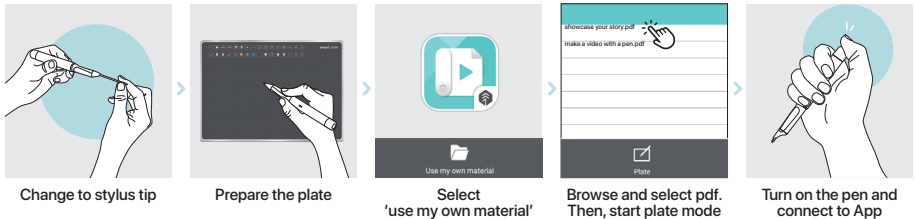
Writing & Recording / 필기 & 영상 녹화

1. Click ⊟, If you want to add a title in the beginning of your video.
2. Click ⊕, If you want to add logo of your institute.
3. Touch 🔴 to start recording. Write and draw on the PDF with a Plate.
4. Touch ◁ ▷ with a pen to move to previous/next page.
5. Touch + − with a pen to zoom in and out the pages.
6. Touch 🔵 to stop recording.
7. Click share to save your video work, or click upload to upload it on youtube directly.

<PaperTube App>

<Smart Plate>

Tips!

Icons on the plate help you to control functions of the app more easily.

Notice

1.

Smart Class Note and other notebooks does not work on 'Plate mode'

2.

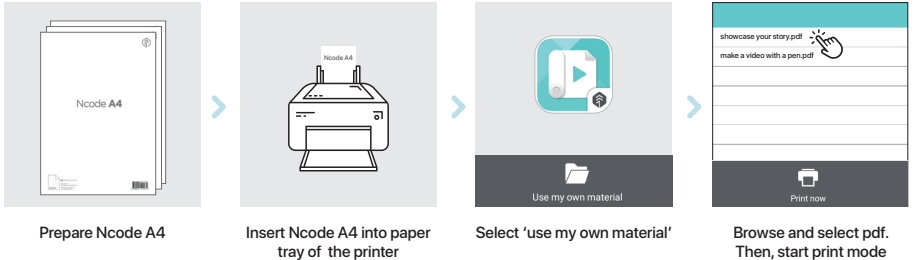If stylus tip is worn out, your writing cannot be recognized. Please change stylus tip and try again.
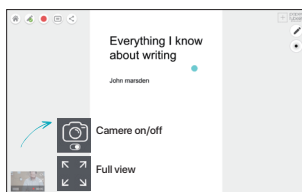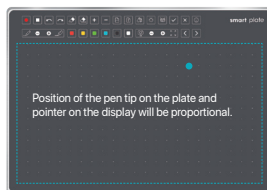
USE MY OWN MATERIAL_Print mode

※ Ncode imprinted paper product needed. shop at Amazon.com

Connecting the pen to App

Ncode **A4**	Ncode A4	Use my own material	showcase your story.pdf / make a video with a pen.pdf / Print now
Prepare Ncode A4	**Insert Ncode A4 into paper tray of the printer**	**Select 'use my own material'**	**Browse and select pdf. Then, start print mode**

option 1. READY TO PRINT / Share / Everything I know about writing	**option 2.** READY TO PRINT / Everything I know about writing	READY TO PRINT / Everything I know about writing	
option 1. Share the file and print on PC.	**option 2.** Print from smart devices.	When printed Ncode A4 is ready, touch 'Next'	Turn on the pen and connect to App

Calibration

※ For matching the paper and the screen of PaperTube app, please follow the on-screen instructions.
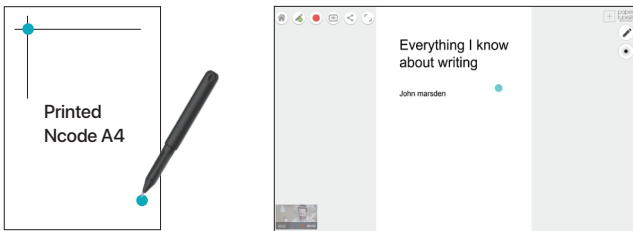
Printed Ncode A4	Everything I know about writing / John marsden	**Adjust calibration**
		This process will adjust the writing area and the app screen area to be synchronised.

FAQ

Reset

Please reset the pen if it does not turn off, won't charge, or stops working. To reset the pen, press and hold the power button for 10 seconds or remove and reinsert the battery, then the pen will be turned off and restart.

Tips for using the correct battery

- The enclosed alkaline batteries can be natural discharge.
- Batteries are consumables and should be replaced after a certain period of time. In addition, the usage time varies depending on the usage environment.
- Be sure to remove the battery when you will not be using the pen for a long time to prevent paid service due to leakage.
- Manganese battery or rechargeable battery can not guarantee the use time.

Precautions
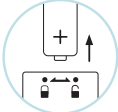
Be sure to remove the battery when you will not be using the pen for a long time. Prevents paid service due to leakage.

Please be careful not to cover the optical sensor with your fingers.
Otherwise, your writing may not be recognized.
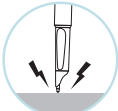
When a strong impact is applied to the ball pen nib, the product may malfunction.

For more accurate handwriting recognition, please use the recommended nibs.
(You can check the recommended pen nib list on the Neo smartpen official website.)
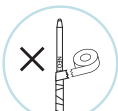
In case of processing ball pen nib with tape, it may cause malfunction.

Additional

· Storing pen without pen cap may cause degradation of functionality due to dust and foreign substances on the optical sensor.
· The pen cap should be placed on the pen if not in use and if the cap gets dirty, please clean with soft cloth or cotton swab.
· If you write on the edge of the page where there is no code, your handwriting may not be recognized.

Please check the details and frequently asked questions on the Neo smartpen homepage and online mall.
www.neosmartpen.com

Please visit official Neosmartpen mall to buy compatible notebooks and accessories.

https://shop.neosmartpen.com/

Product Specification

Model Name	NWP-F30

Supported		OS version	Bluetooth version
	Android	6.0 Marshmallow and above	BLE 4.0 and above
	iOS	IOS 13 and above	LE 4.1 and above

Pen Body Material	Polycarbonate
Connectivity	Bluetooth 4.2 (Classic / BLE)
Receiving/Transmitting Frequency	2402~2480MHz
RF Output Power	3mW / Class 2
Type of emission	F1D
Battery	Alkaline battery(AAA/R03) 1ea
Runtime	Nonstop writing : 9.5 Hr
Memory	2MB of internal memory (Saves up to about 3 sheets of A4 size)
Ink refills	D1 pen ink refills
Function	Real time-transfer mode
Usage Environment	Temperature for storage(No operation) : -10 ~ 50°C Relative humidity : ~90% Operation temperature : 10~35°C
Length / Diameter / Weight	140 mm / 14.7mm / 26.5g

PRODUCT WARRANTY

Please contact the store where you purchased the product or NeoLAB Convergence for customer service/support.

Product Warranty

Product Name	Smart Class Kit
Product No. (Serial No.)	
Purchase Date	
Seller	
Purchase Price	

· Keep the product no. (serial no.) in a safe place as it is required for checking the product warranty period when requesting customer service / support.
· The product no. is attached on the surface of the product package.

NEO SMARTPEN