Introducing NeoLAB N2 smartpen

N2
Neo smartpen

“Open your Pen”

From Paper to Digital, Two Worlds in One Pen

Designed to Write

- Neo smartpen N2 is designed to write like a conventional pen.
- Every detail focuses on delivering a seamless transition from your previous experience with a traditional pen.
- Neo smartpen N2’s every detail focuses on delivering comfortable and seamless experience of writing. Its ergonomic design lends comfort to the hand and details like the auto power on lets you use it just like you would with any other pen.
- The aluminum in N2 provides a lustrous shine, while the stainless steel lends protection to the product. The finishing polish caps off the aesthetically pleasing result.
- N2 is designed not just to be beautiful, but also to be useful. Details such as the location of the power button, signal lamp, and even the pen cap were designed after extensive contemplation to provide an easy and enhanced writing experience

NeoLAB is a unique and established manufacturer.

Fact sheet

Established	Feb. 2009
Capital	USD 3.1 million
Employees	80+
HQ	Seoul, Korea
Overseas Office	US, Australia, Japan
Website	http://www.neosmartpen.com
Product	Smart pen, sound pen (Touch & Play), smart toys (pico projectors)

Capability

- Patented code pattern (nCode)
- Design (Product/Graphic/UI)
- QA/QC
- Hardware
- Software
- Firmware
- Tech/Customer service support

Brief Summary

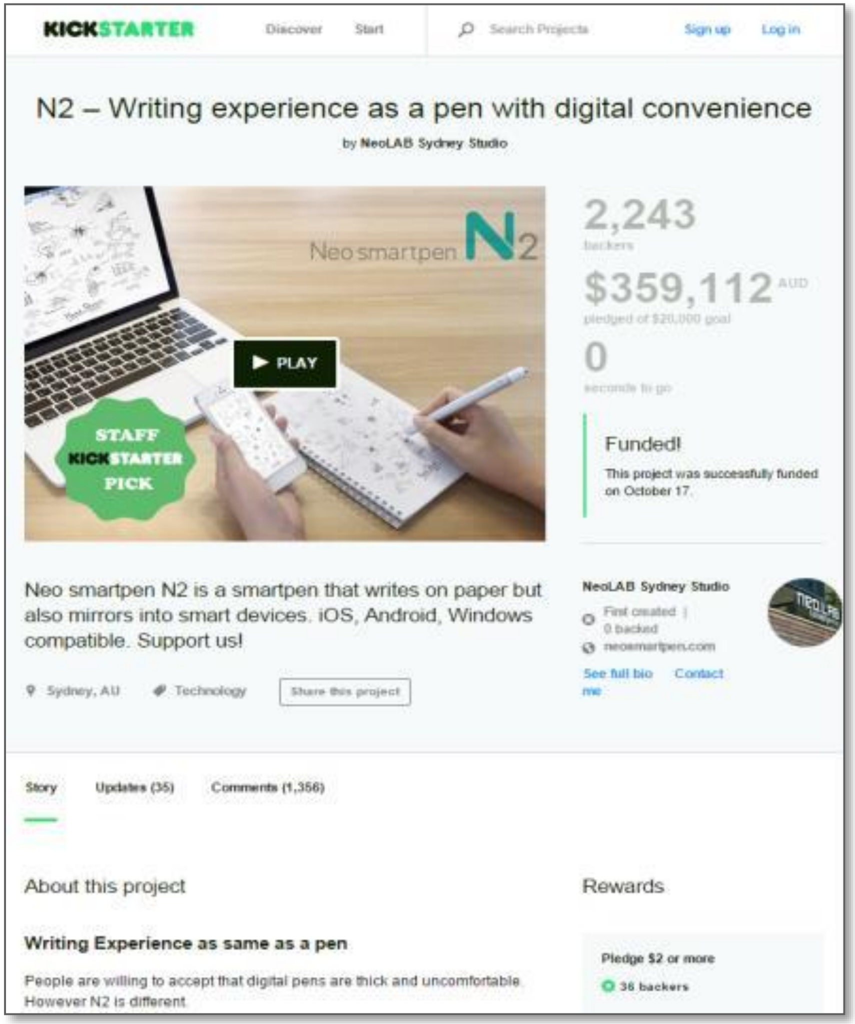
Over 6 years of focusing on smartpen/soundpen technology, NeoLAB has built integrated capability from designing both s/w and h/w products to customer support. We have 50+ patents covering code pattern, product design and mobile application. Such integrated structure makes NeoLAB the most flexible and probably the fastest growing most nimble smartpen player in the field.

Neo smartpen N2 is a design award winner

N2 – 2015 Winner. N1 - 2014 Winner

iF
DESIGN AWARD 2015
Neo smartpen N2

100+ pens sold on a daily basis at Kickstarter,


KICKSTARTER
Discover
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Neo smartpen N2
PLAY
STAFF KICKSTARTER PICK
Share this project
See full bio
Contact me

N2 – Writing experience as a pen with digital convenience

by NeoLAB Sydney Studio

2,243
backers

$359,112 AUD
pledged of $20,000 goal

0
seconds to go

Funded!

This project was successfully funded on October 17.

Neo smartpen N2 is a smartpen that writes on paper but also mirrors into smart devices. iOS, Android, Windows compatible. Support us!

Sydney, AU
Technology

NeoLAB Sydney Studio
First created | 0 backed
neosmartpen.com

Story
Updates (35)
Comments (1,356)

About this project

Writing Experience as same as a pen

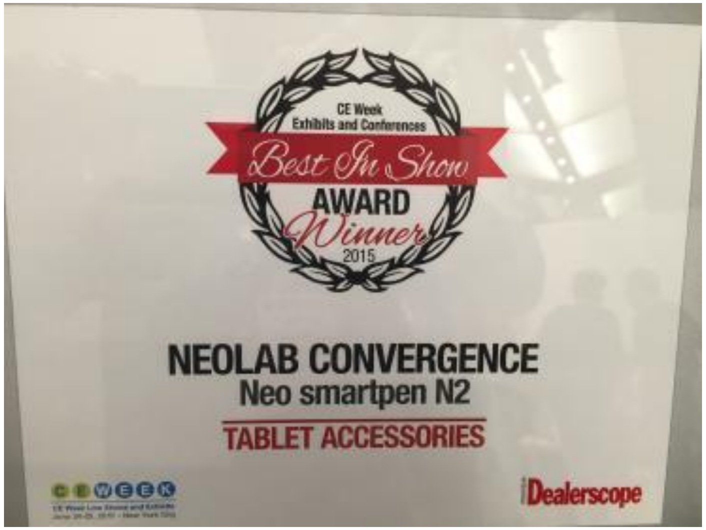
People are willing to accept that digital pens are thick and uncomfortable. However N2 is different.

Rewards

Pledge $2 or more
36 backers

Neo smartpen N2 award winner in the U.S.

2015 Best in show at CE Week NY

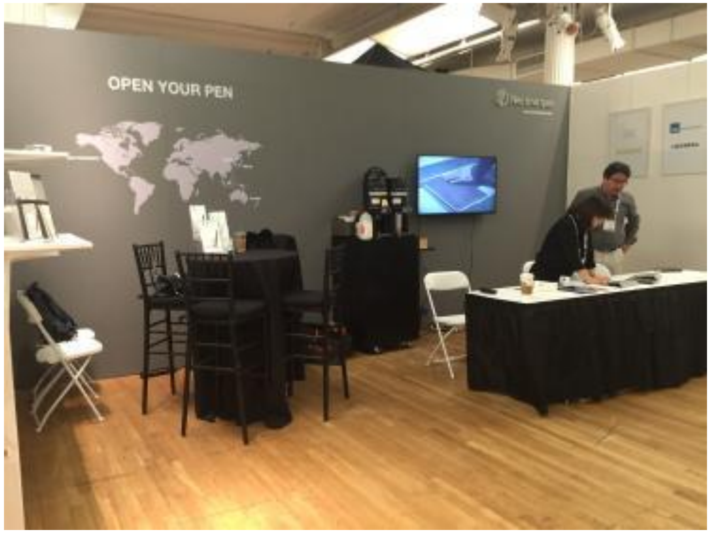


CE Week
Exhibits and Conferences
Best In Show
AWARD
Winner
2015

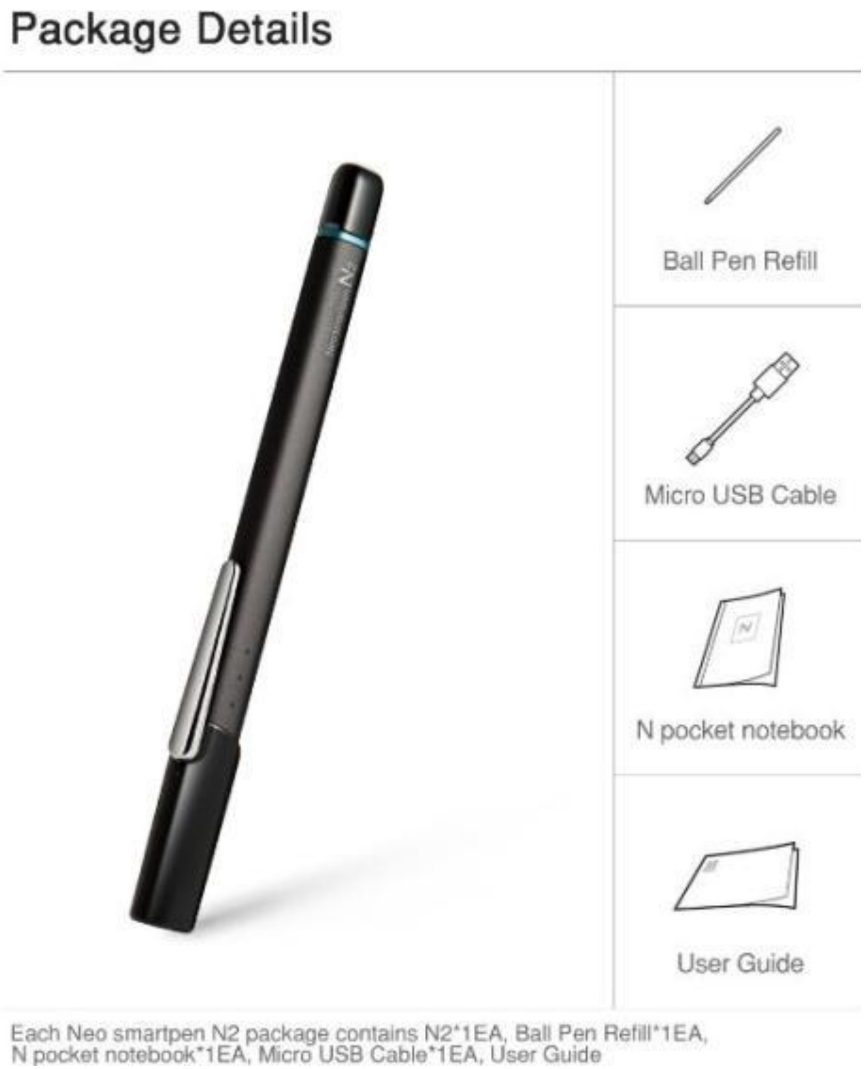
NEOLAB CONVERGENCE
Neo smartpen N2
TABLET ACCESSORIES

CEWEEK

Dealerscope



Pens



Package Details

Ball Pen Refill

Micro USB Cable

N pocket notebook

User Guide

Each Neo smartpen N2 package contains N2*1EA, Ball Pen Refill*1EA,
N pocket notebook*1EA, Micro USB Cable*1EA, User Guide

Slim, Light, and Durable

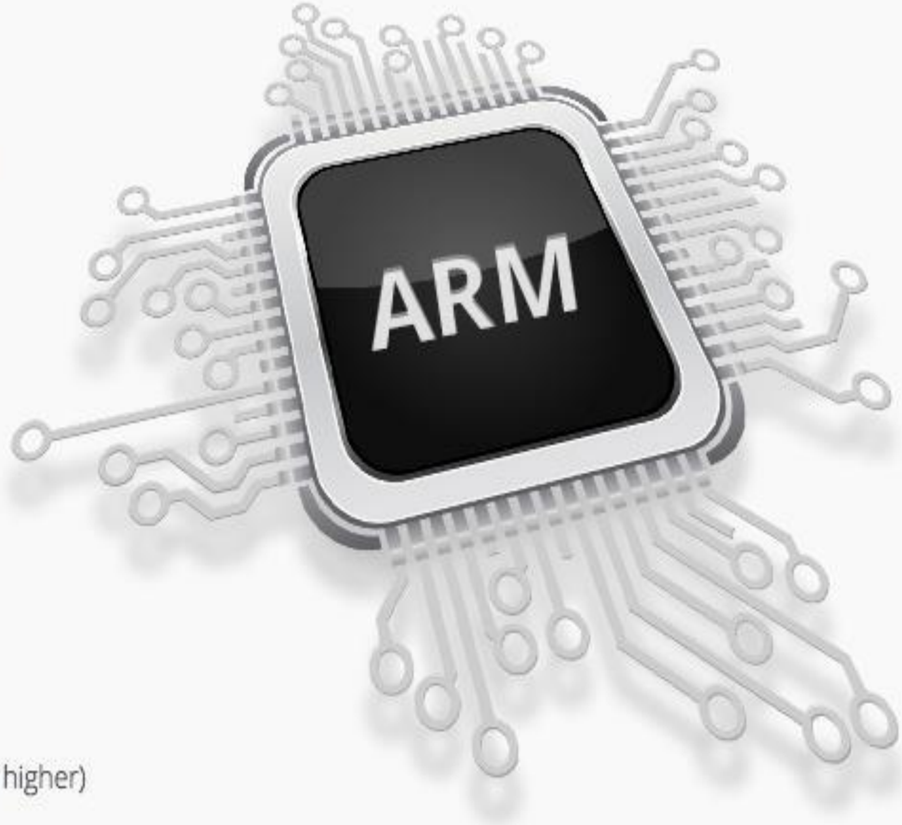
At 11.5mm to 11.8mm thick and 156.5mm long, N2 is the size of any pen on your desk.
At only 22 grams (0.77 ounces) it will be the lightest electronic device you carry around.
N2's aluminum and stainless steel body makes it impact and scratch resistant.
Neo smartpen N2 will be the slimmest, lightest, and most durable pen you have.

Length	High	weight
156mm	11.5mm	24g

N2
11.5mm
156mm

Power and Speed

Thanks to ARM's dual core processor,
N2 is capable of handling heavy tasks and delivering faster responses than our previous smart pen model.
Capturing more than 120 frames per second and calculating 256 steps of pressure,
N2 is the leading technology in the smartpen industry.



Hardware Specification

CPU : Dual Core ARM9 Application Processor

Connectivity : USB 2.0 (Micro USB) / Bluetooth 4.0

Size : L 156mm / W 11.5 ~ 11.8 / 22g (Without pencap)

OS : Android Jelly Bean 4.1.2 or higher / iOS 7.1 or higher (iPhone 5 or higher)

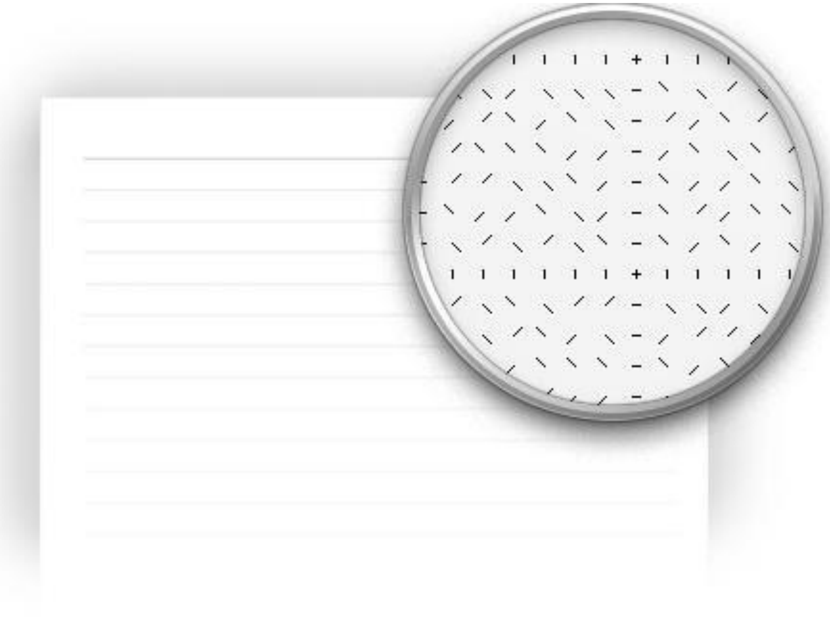
Battery : Li-Polymer / 3.7V (Full charage : 2 hours)

Display : Dot-LED Indicator (Full color)

Required Bluetooth Connectivity : Android Bluetooth 2.1 or higher / iOS Bluetooth 4.0 LE

Pen tip type : Standard D1 type

Usage time : Constant (5 hours) / Normal usage (3 days) / Standby (125 days)



Ncode™ Technology

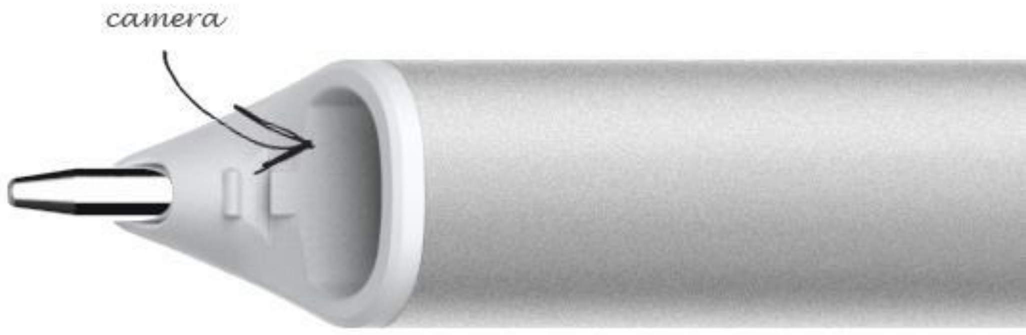
Ncode™ is a combination of lines and symbols printed so small that they are difficult for the eye to perceive. Each line and symbol constitutes a pattern to express a unique code for each location on the page.

Here's how it works:

- Write with Neo smartpen N2 on an N notebook
- N2 captures the Ncode™ unique to every page as you write.
- N2 transfers the code data to your smart device. You can then change or share your handwritten notes

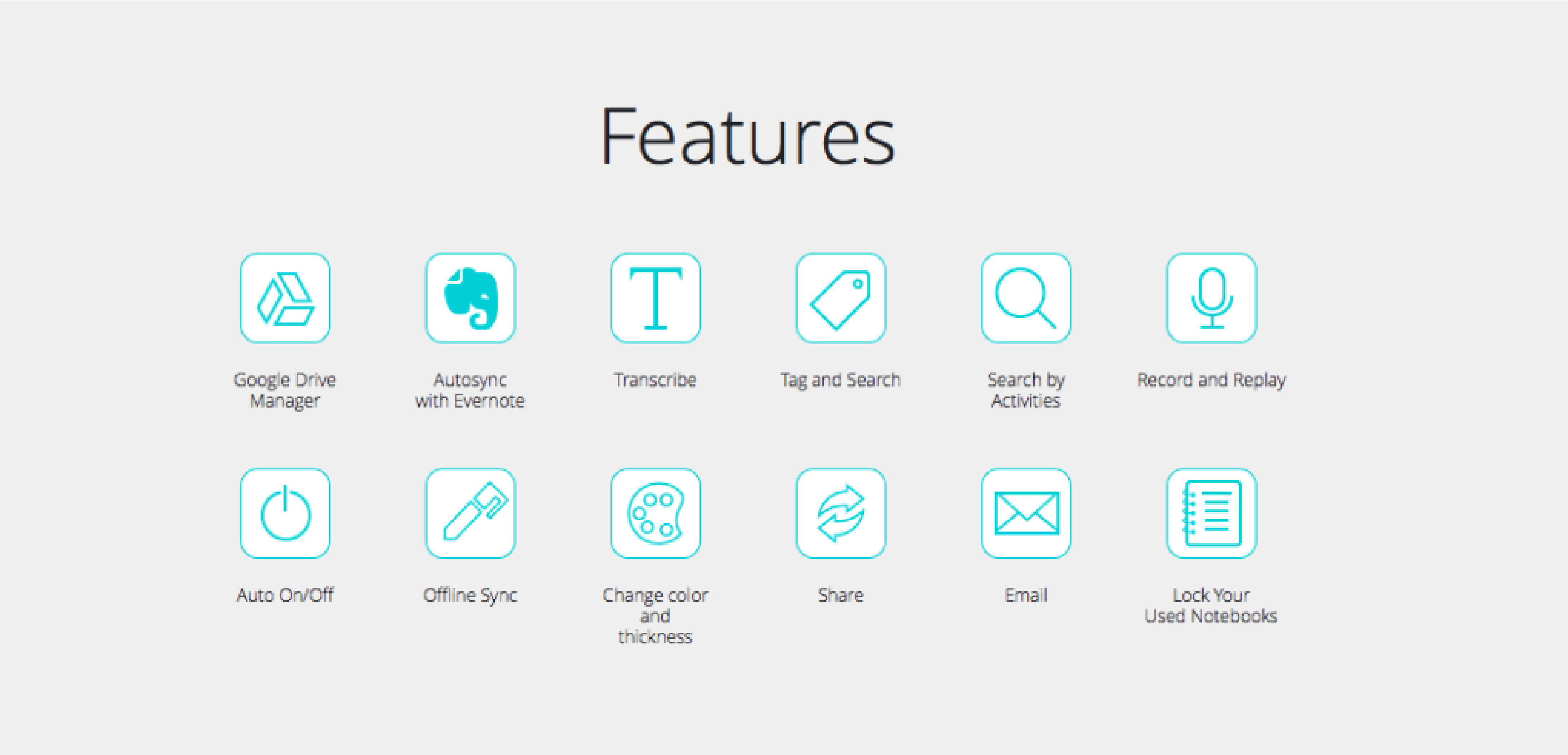
How it Works with N2

A small camera records the Ncode™ as you write. N2 send this data to your smart device where the position and pressure of each stroke is calculated.



Neo Notes is a mobile app for Neo smartpen N2.
Capture your ideas, share your notes, and search and work better.
Discover how it can enhance your writing experience.

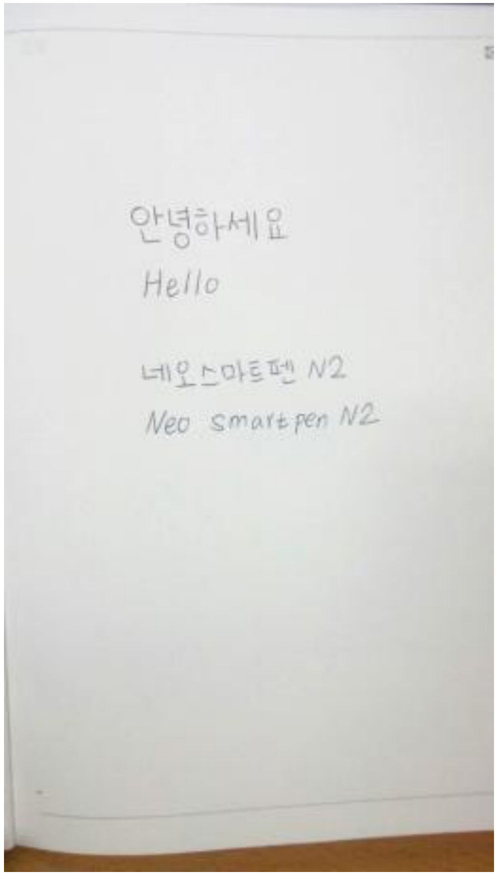
NeoNotes
Neo smartpen

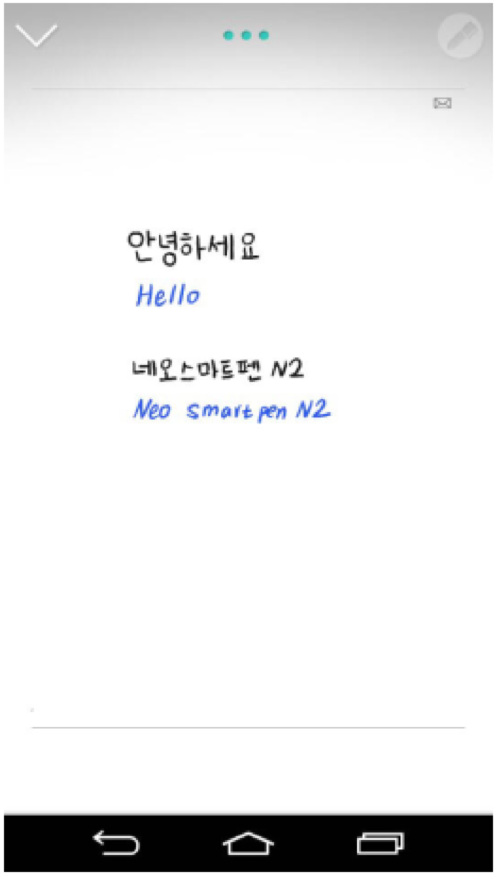


Features

- Google Drive Manager
- Autosync with Evernote
- Transcribe
- Tag and Search
- Search by Activities
- Record and Replay
- Auto On/Off
- Offline Sync
- Change color and thickness
- Share
- Email
- Lock Your Used Notebooks

Simply write on NeoLAB paper


안녕하세요
Hello
네오스마트펜 N2
Neo smartpen N2


안녕하세요

Hello

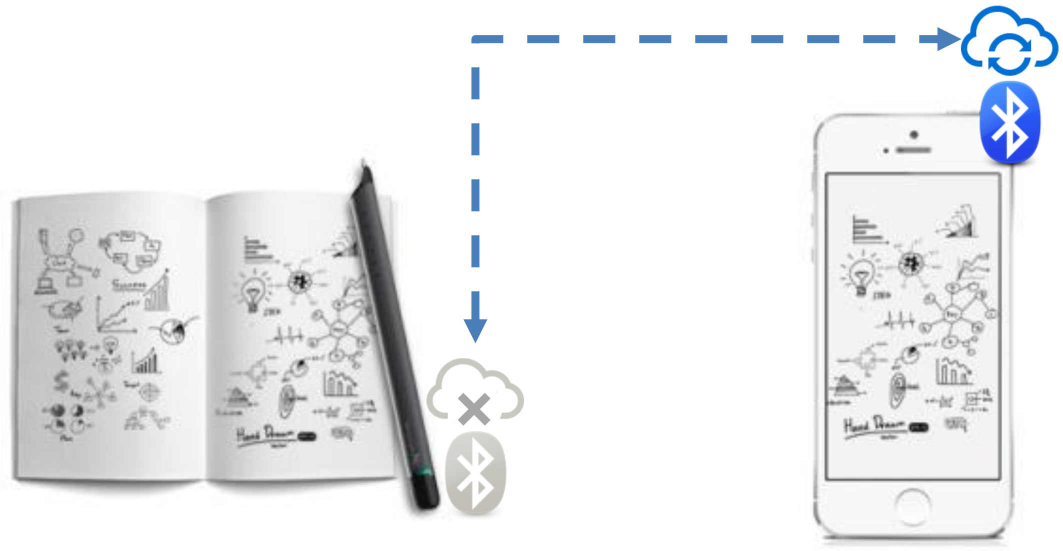
네오스마트펜 N2

Neo smartpen N2

What you write on paper is reproduced exactly on the Neo Notes app
(with the ability to edit on the app!)

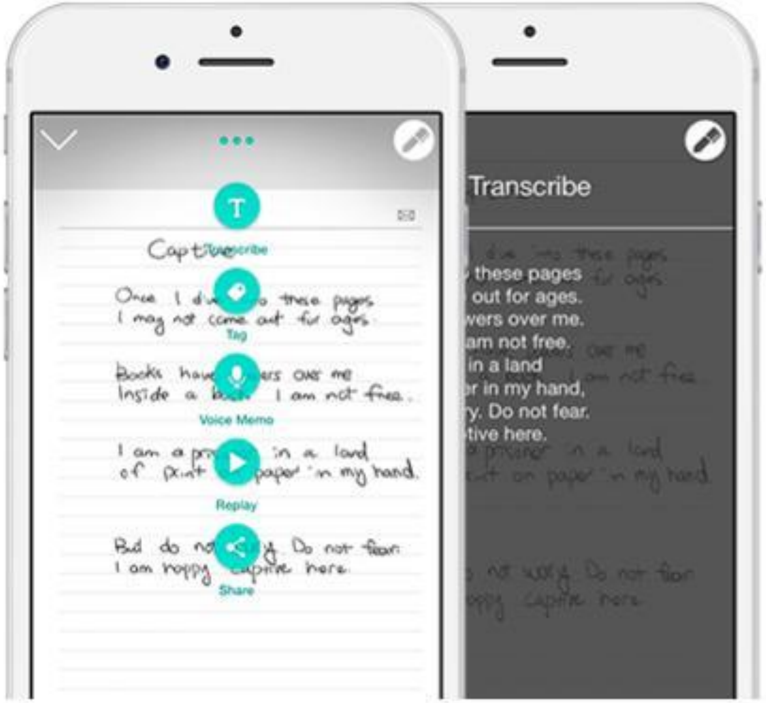
Simply write on NeoLAB paper

Take your notes with just your pen and paper.
Write offline without Bluetooth connectivity. N2 stores up to 1000 pages.
When your pen re-connects, the content will be uploaded automatically.



No Bluetooth connection :
The pen will automatically store your writing data into the pen.

Bluetooth connected :
After connection, the pen will transfer its stored data.

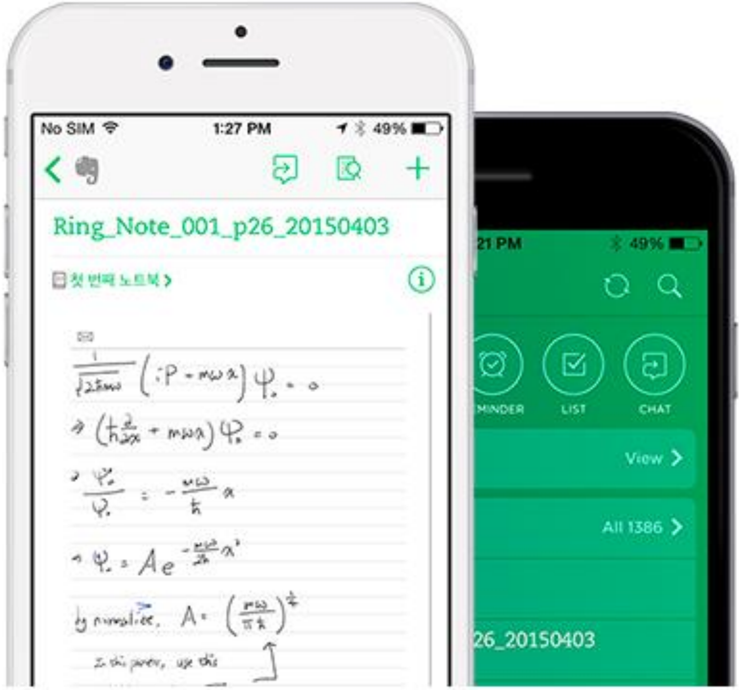

Capture
Transcribe
Tag
Voice Memo
Replay
Share
Transcribe
these pages
out for ages.
wers over me.
am not free.
in a land
r in my hand,
y. Do not fear.
tive here.

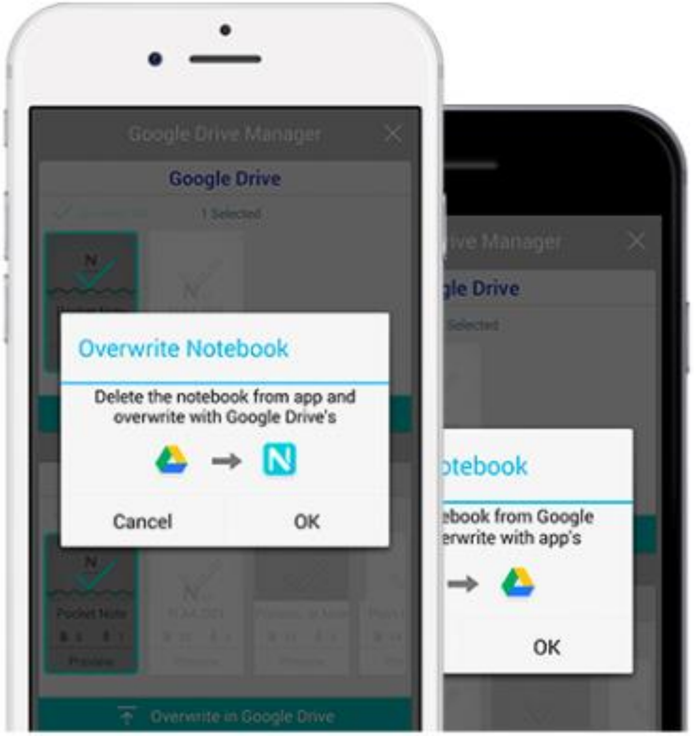
Transcribe

With Neo Note's Transcribe feature, you can easily change your handwritten notes into text.
Copy and paste your texts into your email or external memo apps.
Neo Notes supports 15 languages, including which includes English, Japanese, Chinese, German, Korean and much more.

Auto-sync with Evernote

Register your Evernote account with Neo Notes
and your contents will automatically be synced.
Access your content from your smartphone, tablet, or PC.


No SIM
1:27 PM
49%
Ring_Note_001_p26_20150403
첫 번째 노트북
21 PM
49%
MINDER
LIST
CHAT
View
All 1386
26_20150403



Delete the notebook from app and overwrite with Google Drive's

Google Drive Manager
Google Drive
1 Selected
Overwrite Notebook
Cancel
OK
Overwrite in Google Drive
ive Manager
gle Drive
otebook
ebook from Google
erwrite with app's
OK

Google Drive Manager

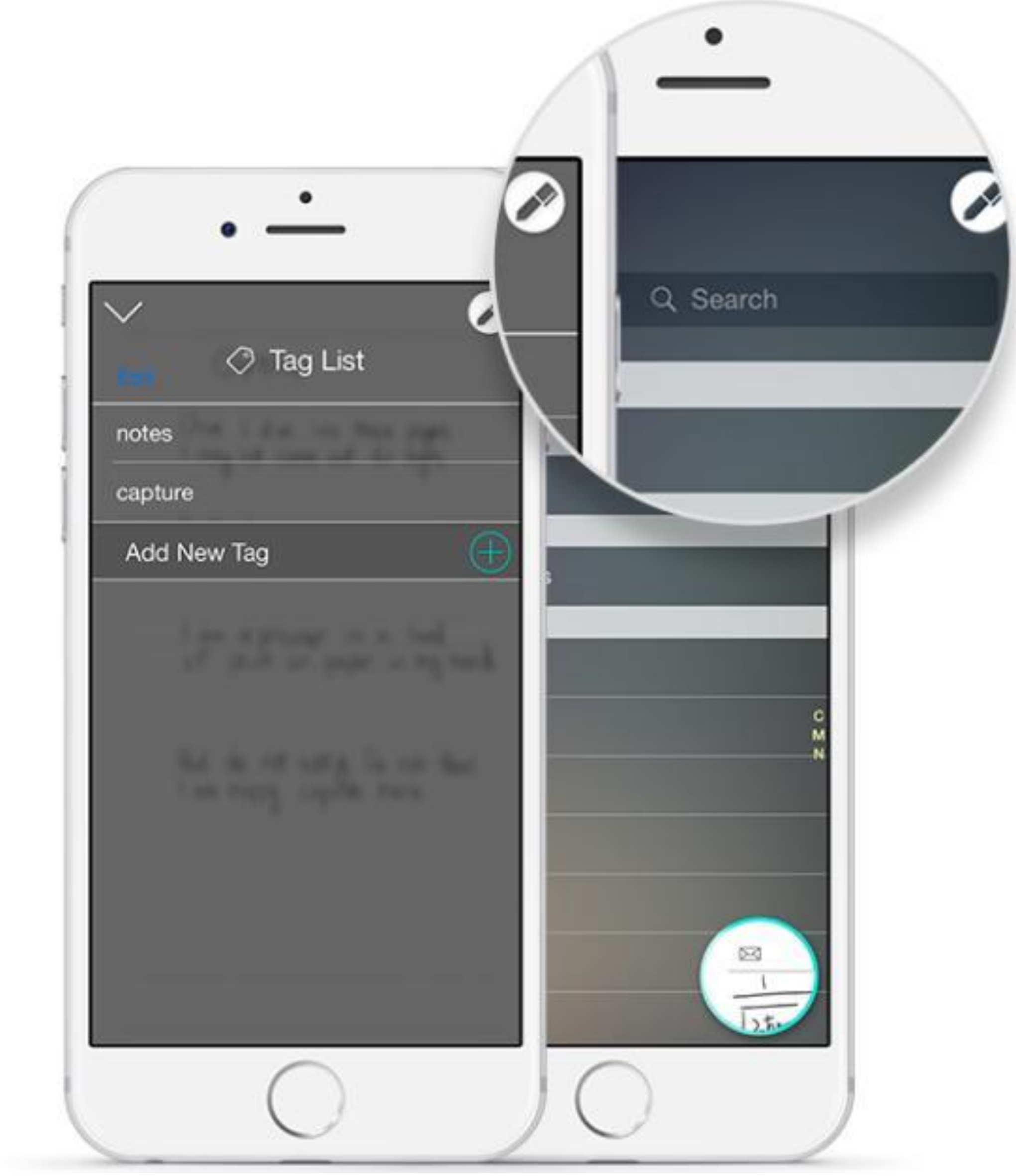
N2 works with many different devices, so why not use them all? The Google Drive Manager feature allows you to upload your notes to Google Drive and download them to Neo Notes app in different devices. Stay on the same page in any device and continue writing with ease.

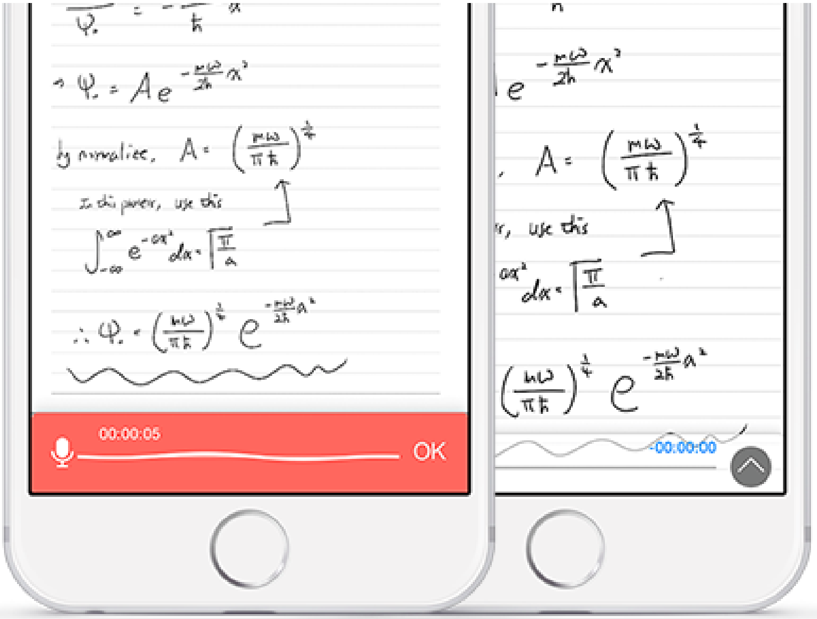
Tag and Search

The tagging feature allows you to tag words or descriptions to a page so that you can easily find it later. Tag keywords of your choice to efficiently categorize your notes.

Search by Activities

The 'Activity' tab allows users to see their content by date in a calendar view. Go back to a certain date to find your notes.
*Neo Notes will also remember the weather and location to remind you of the environment in which you were writing.



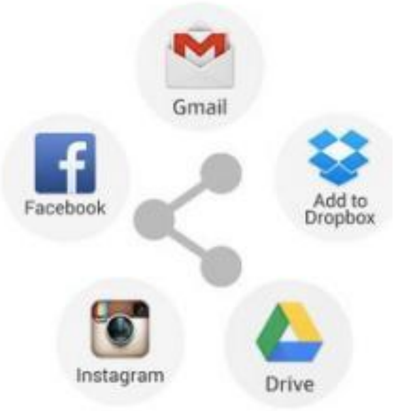


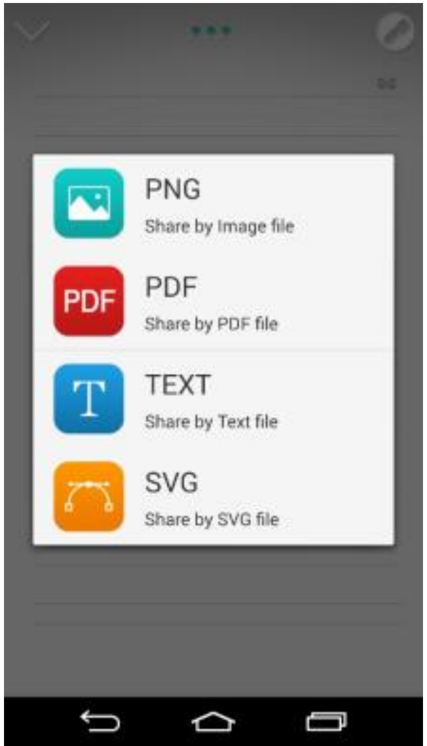
Record and Replay

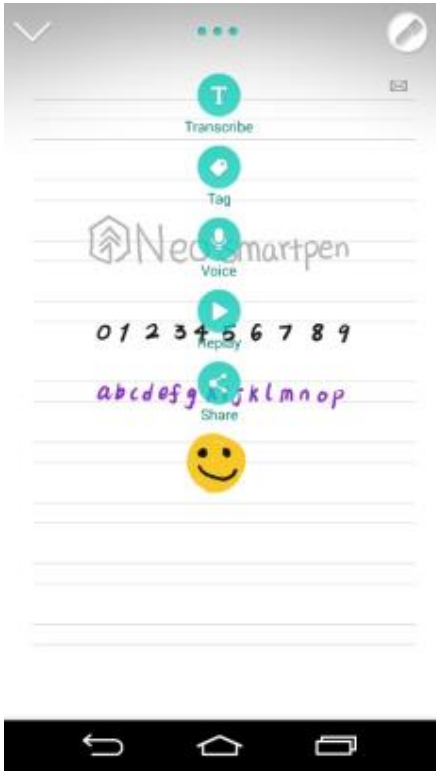
Never miss a note or speech with
the Record and Replay features.
Watch your notes appear in the app
as they were written in sync with the voice recording.

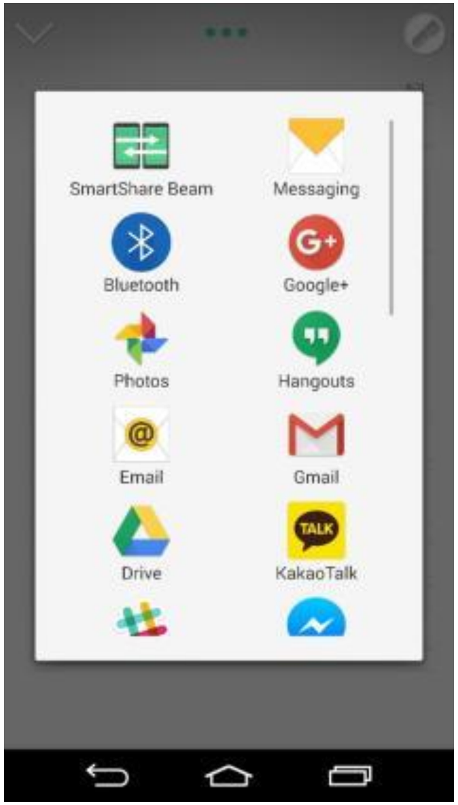
Export/Share

Image
PDF
Text
SVG
More Options...


Gmail
Facebook
Add to Dropbox
Instagram
Drive

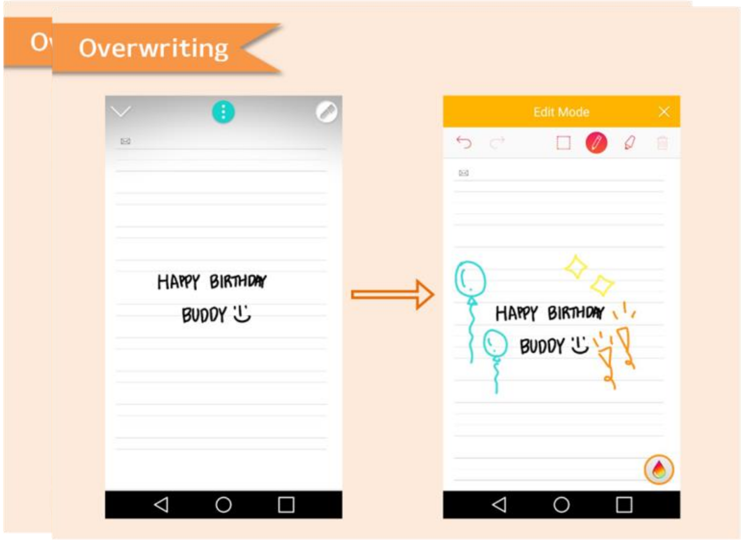

PNG
Share by Image file
PDF
Share by PDF file
TEXT
Share by Text file
SVG
Share by SVG file


Transcribe
Tag
Neo smartpen
Voice
0 1 2 3 4 5 6 7 8 9
Replay
a b c d e f g h i j k l m n o p
Share

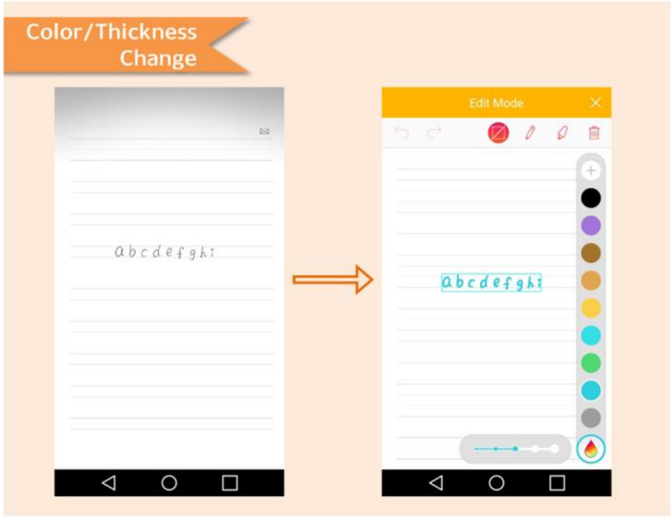

SmartShare Beam
Messaging
Bluetooth
Google+
Photos
Hangouts
Email
Gmail
Drive
KakaoTalk

New Features

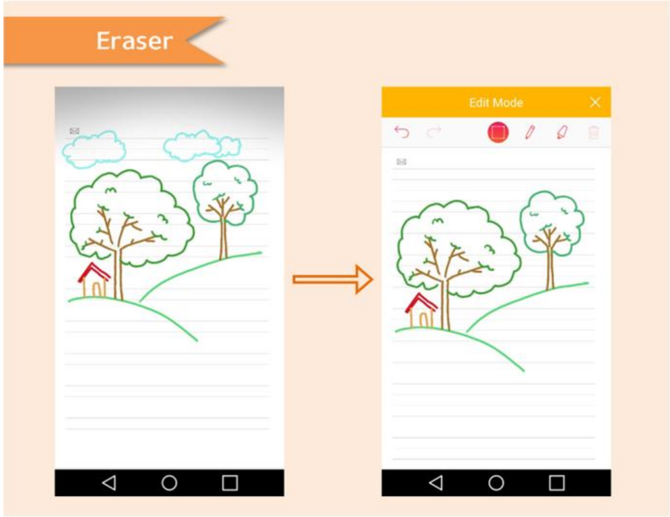
Overwriting


HAPPY BIRTHDAY
BUDDY
Edit Mode
HAPPY BIRTHDAY
BUDDY

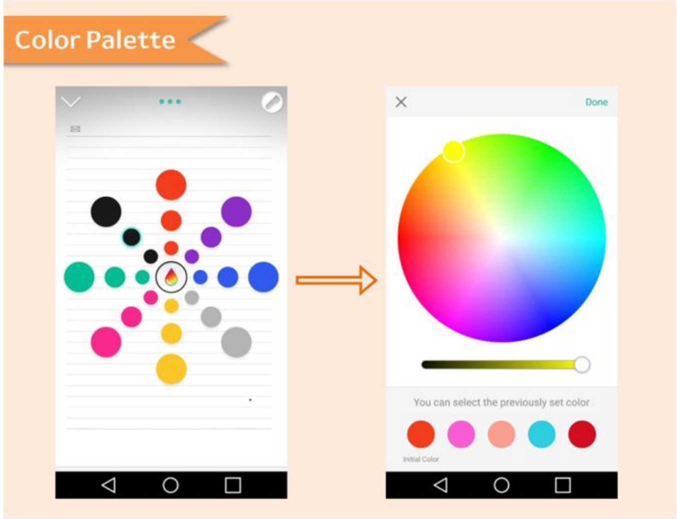
Color/Thickness Change


abcdefghi
Edit Mode
abcdefghi

Eraser

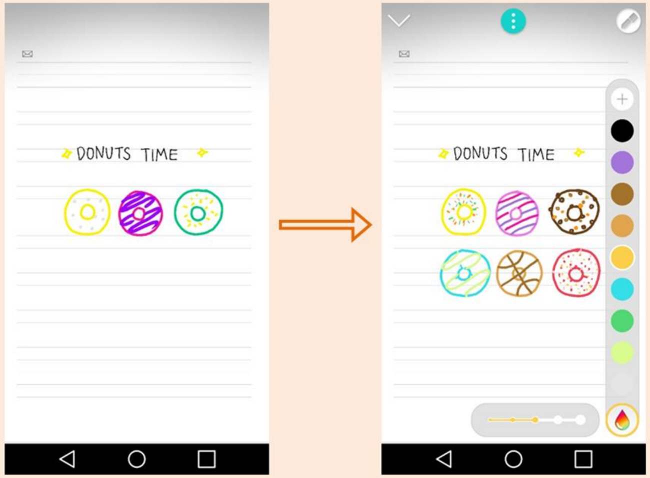


Color Palette

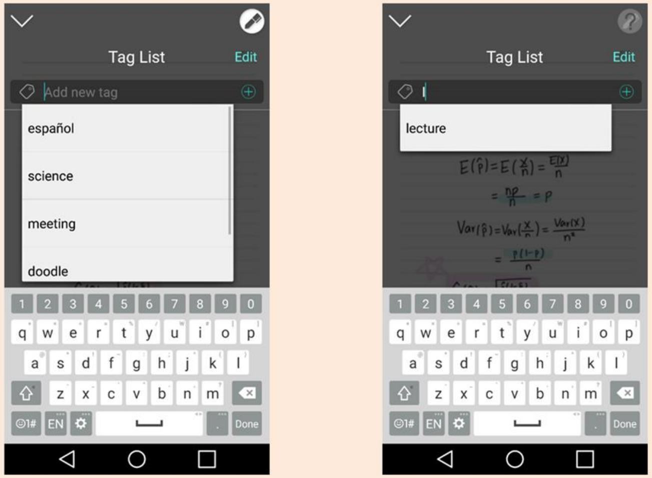

Done
You can select the previously set color
Initial Color

New Features

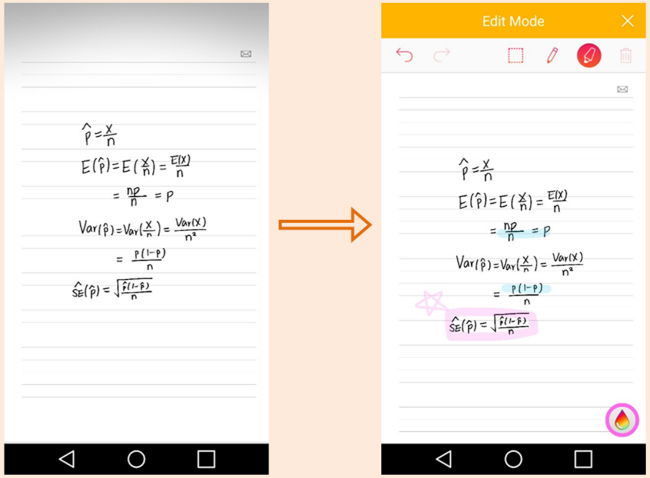
Color Palette


DONUTS TIME
DONUTS TIME

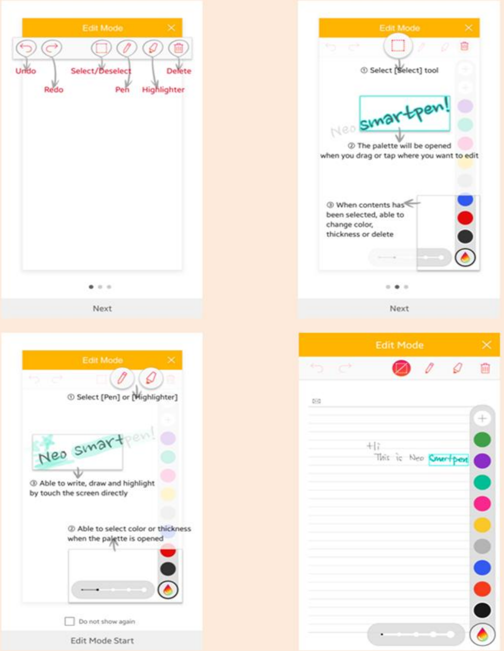
Tag Saver


Tag List
Edit
Add new tag
español
science
meeting
doodle
Done
Tag List
Edit
lecture
Done

Highlighting


Edit Mode
$\hat{p} = \frac{X}{n}$
$E(\hat{p}) = E(\frac{X}{n}) = \frac{E(X)}{n}$
$= \frac{np}{n} = p$
$Var(\hat{p}) = Var(\frac{X}{n}) = \frac{Var(X)}{n^2}$
$= \frac{p(1-p)}{n}$
$\hat{SE}(\hat{p}) = \sqrt{\frac{\hat{p}(1-\hat{p})}{n}}$

Tutorial


Edit Mode
Undo
Redo
Select/Deselect
Pen
Highlighter
Delete
Next
Edit Mode
Neo smartpen!
Next
Edit Mode
Neo smartpen!
Edit Mode
Hi
This is Neo Smartpen

① Select [Select] tool

② The palette will be opened when you drag or tap where you want to edit

③ When contents has been selected, able to change color, thickness or delete

① Select [Pen] or [Highlighter]

③ Able to write, draw and highlight by touch the screen directly

② Able to select color or thickness when the palette is opened

☐ Do not show again

Edit Mode Start