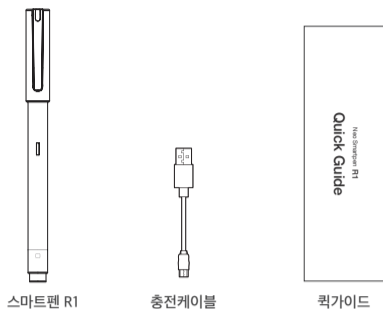


# Neo Smartpen R1

## Quick Guide

### 구성품

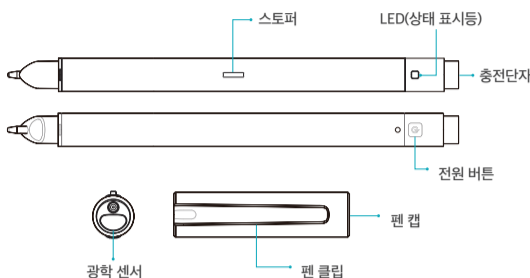


스마트펜 R1

충전케이블

퀵가이드

### 각 부분의 이름



### 준비하기



#### 1. 펜 충전하기

- 제품을 반드시 완충 후 사용해 주세요.

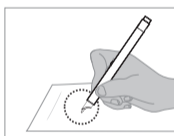


#### 2. 펜 전원 켜기/끄기

- 완충된 상태에서 전원 버튼을 짧게 누르면 LED가 켜지며 전원이 켜집니다.
- 전원이 켜진 상태에서 전원 버튼을 2초 이상 길게 누르면 LED가 여러 색깔로 변경되며 전원이 꺼집니다. 또는 20분 이상 아무런 입력이 없으면 자동으로 전원이 꺼집니다.(자동 전원 종료 시간은 네오스튜디오 앱에서 설정할 수 있습니다.)
- 전원이 켜지지 않거나, 충전 또는 동작이 멈추었을 경우에는 전원 버튼을 10초 이상 눌러 리셋해 주세요.

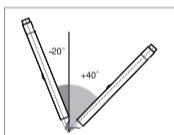
### 사용하기

- 필기 인식 센서의 위치는 필기 인식률에 큰 영향을 미칩니다.
- 필기 허용 각도를 벗어나거나 잘못된 방향으로 펜을 쥐고 사용할 경우 인식이 되지 않을 수 있으니 주의하세요.



#### 올바르게 쥐는 방법

볼펜심이 위를 향하도록 펜을 잡아주세요.



#### 인식 허용 각도

90° 수직 기준으로 -20° ~ +40° 에서 인식이 가능합니다.

앱에 연결하지 않고 펜만으로도 자유롭게 필기가 가능합니다. 이후 앱에 연결하면 자동으로 데이터를 전송할 수 있습니다.

### 네오스튜디오 앱 다운로드 & 펜 연결하기

#### 1. 앱 다운로드

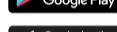
- 네오스튜디오는 구글 플레이 스토어와 앱스토어에서 다운로드 받을 수 있습니다.



NEO STUDIO™



APP DOWNLOAD



#### 2. 앱 환경 설정

- 디바이스의 '블루투스'와 'GPS(위치)'를 활성화해주세요.

#### 3. 앱과 펜 연결



- ① 앱 실행 후 필요 권한을 허용해 주세요.
- ② 화면 안내에 따라 앱과 펜을 연결하세요.
- ③ 앱과 펜이 연결되면 펜 LED가 초록색으로 점등됩니다.

### LED 표시 안내

상태	LED 컬러
전원 ON	정등
전원 OFF	후 소등
충전 중	정등
충전 완료	정등 유지 후 꺼짐
배터리 부족	정멸
앱과 연결 시	정등
저장공간 부족	정멸
필름웨어 업데이트 중	정멸
필름웨어 업데이트 실패	정멸
광학센서 또는 사용환경 점검 필요	정등

### 제품 스펙

기자재 명칭	특정소출력 무선기기 (무선데이터통신시스템용 무선기기)
모델명	NWP-F40
무선 연결	Bluetooth 4.2(LE)
배터리	충전식 Li-polymer 180mAh
저장매체	2MB memory
정격 입력	DC 5V / 180mA
사용 시간	14시간(연속사용 9시간)
크기 및 무게	길이 : 149.5mm(펜캡 제외) / 두께 : 11mm, 15.6g(펜캡 제외)
사용환경	보관가능온도(비동작) : -10도~50도 / 상대습도 : ~90% / 동작온도 : 10~35도
사용 불연성	D1

### 고객 지원

- 제품 상담 및 A/S 문의는 고객지원실에 문의 바랍니다.  
또는 하단의 QR을 참조하세요.



평일 오전 10시~오후 6시  
(점심시간 오후 12시~오후 1시) 토요일, 공휴일 제외

제품 상담 및 A/S문의  
네오랩 컨버전스 고객센터  
1588-6239

### PRODUCT WARRANTY

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

Product Name	Neo Smartpen R1
Product No(Serial No.)	
Purchase Date	
Seller	

- 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.

#### FCC Information to User

This equipment has been tested and found to comply with the limits for 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 of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into 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.

#### Caution

THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

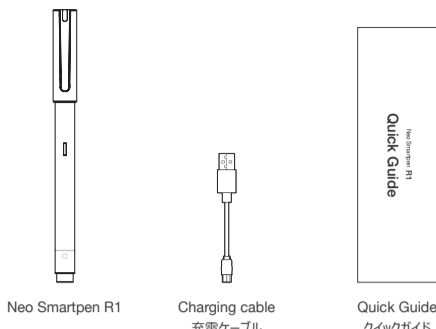
#### IMPORTANT NOTE : FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 0.5 centimeters between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

## What's in the box / 製品構成

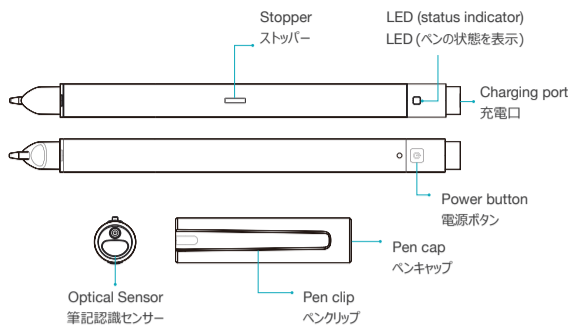


Neo Smartpen R1

Charging cable  
充電ケーブル

Quick Guide  
クイックガイド

## Part Name / 各部の名称



Optical Sensor  
筆記認識センサー

Pen clip  
ペンクリップ

Pen cap  
ペンキャップ

Power button  
電源ボタン

## Get started / ご使用前に



### 1. Charge the pen / ペンを充電する

- Ensure the product is fully charged before use.
- 電池の残量が少なくなっている可能性がありますので、ペンはご購入後必ず充電するようにしてください。

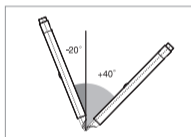


### 2. Turn the pen on/off / 電源のオン/オフ

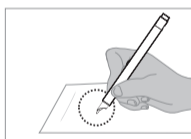
- When the pen is fully charged, briefly press the Power button. The pen will be turned on, as indicated by the LED.
- To turn the pen off, press and hold the Power button for 2 seconds or longer. The LED will flash in different colors before the pen is turned off. The pen will be automatically turned off after 20 minutes of inactivity. (You can adjust the automatic power off time in the NEO STUDIO app.)
- In case the pen Ⓞ is not turning on, Ⓞ is not charged or Ⓞ does not work, press and hold the power button for 10 seconds to reset the pen.
- ペンの電源ボタンを短く押すとLEDライトが点灯し電源が入ります。
- ペンの電源がオンの状態で電源ボタンを2秒間押し続けると、LEDライトが点滅し、電源がオフになります。20分以上アクションがない場合、ペンの電源は自動でオフになります。(シャットダウンまでの時間は設定で変更することができます。シャットダウンまでの時間を長くするほど、ペンの使用可能時間は短くなります。)
- ペンが正常に動作しない場合、電源ボタンを10秒以上長押ししてペンを再起動してください。電源が入らない場合は充電ケーブルと接続した状態にて再起動を行ってください。

## How to use / 正しいペンの握り方

- The location of the optical sensor greatly affects recognition accuracy.
- Please note that your handwriting may not be recognized if you hold or use the pen at an incorrect angle or in the wrong direction.
- 光学センサーの位置は手書きの認識のクオリティに大きく影響を与えます。筆記時の適切な角度を外れたり、光学センサーの向きが紙面に向いていない場合は、筆記した内容が認識されない場合があるのでご注意ください。



**Allowable Recognition Angle / 認識可能な角度**  
Product's acceptable recognition angle is  $-20^{\circ} \sim +40^{\circ}$ . (90° vertical standard)  
90°垂直を基準に、 $-20^{\circ} \sim +40^{\circ}$ の範囲で認識できます。



**How to hold the pen correctly / 正しい握り方**  
Make sure the pen tip is facing upwards when you hold the pen.  
ペンの芯が上に来るように握ってください。

## Precautions / 注意事項

- This product has a built-in optical sensor. The recognition may not work correctly in direct sunlight, outdoors, or under infrared light.
- Ensure the optical sensor is not blocked.
- Strong impact on the pen tip may cause damage to the pressure sensor.
- Leaving the product in places with a strong magnetic field, high temperature, or under direct sunlight for a long period of time may cause severe damage to the product.
- When not in use, close the pen cap. Lightly remove any dust or dirt from the input sensor with a cotton swab.
- Disassembling and reassembling the product will lead to product malfunction. In such cases, the warranty period will be void.
- You must use the recommended pen tip that is compatible with the product. NeoLab Convergence is not responsible for any malfunction caused by non-compliance with this instruction.
- Parental supervision is required when children use this product.
- 本製品は筆記認識センサー（光学センサー）が内蔵されており、赤外線を検知しているため直射日光や赤外線を多く発する白熱灯の下では認識率が低下する場合があります。
- 筆記認識センサーがコードを認識し読み取る仕組みとなっているため、指などでペン先にあるセンサーが隠れると、筆記が反映されない場合があります。
- ノートの端の方に筆記するとコードが認識されず、筆記が反映されない場合があります。
- ペン芯に強い圧力や衝撃が加からないようにしてください。
- 使用しない時は、必ずペンキャップを開けてください。ほごりや異物がセンサーに付着した場合は綿棒などでやさしく除去してください。
- ペンの替え芯にテープを巻くなど加工を加えて正常に動作しなくなった場合、製品の故障の原因となり保証の対象外となります。
- ペン芯につきましては同梱品以外でもご利用いただけます。当社スマートペン製品HPにて推奨ペン芯をご参照ください。推奨していないペン芯の使用が原因の故障につきましては保証の対象外となります。  
(※その際の相性ですが、同規格だとしてもサイズやインク成分の微差等、当社では芯メーカー毎の製品変更等把握しづらい面がございますので芯芯の利便性を持たせたい一方、適用に関してはお客様様のほうでもご留意いただけますようお願いいたします。製品HPをご参照ください)
- 小さなお子様のご使用にはご注意ください。

## Product warranty / 製品保証

- NeoLAB Convergence provides a one-year warranty from the date of original purchase for defects in materials or manufacturing processes of its hardware products or accessories. We do not take responsibility for normal wear and tear or damage due to accidents or unintended use.
- 日本国内でお求めの方は別添の製品保証書をご利用ください。

## Download NEO STUDIO App & Pen connection NEO STUDIOアプリダウンロード&ペンの接続

### 1. Download the app / アプリのダウンロード



NEO STUDIO™

APP DOWNLOAD

- You can download the NEO STUDIO app from the Google Play Store and the App Store.
- NEO STUDIOはGoogle PlayまたはApp Storeからダウンロードできます。「NEO STUDIO」「ネオスタジオ」で検索してください。

### 2. App settings / デバイスの環境設定

- Enable the device's "Bluetooth" and "GPS(location)" before opening the app.
- デバイスの「Bluetooth」と「GPS(位置情報)」をオンにしてください。

### 3. Connect the app to the pen / アプリとペンの接続



- ① Open the app and allow the necessary permissions.
  - ② Follow the on-screen instructions to connect the app to the pen.
  - ③ When the app is connected to the pen, the pen's LED will turn green.
- ① アプリを実行し、必要な権限を許可してください。
  - ② 画面の案内に従ってアプリとペンを接続してください。
  - ③ アプリとペンが接続されると、ペンのLEDが緑色で点灯します。

## LED indicator information / カラーのステータス

Status / 状態	LED color / LEDの状態
Power on 電源オン	Blue Illuminating 点灯
Power off 電源オフ	Multi-color (then light off) 色が変化した後、消灯
Charging 充電中	Blue Blinking 点滅
Fully charged 充電完了	Blue Illuminating and then turned off 暫く点灯後、オフ
Low battery バッテリー残量わずか	Red Blinking 点滅
Connecting to the app アプリに接続されている時	Green Illuminating 点灯
Low storage メモリの空き容量不足	Yellow Blinking 点滅
Updating firmware ペンのアップデート中	Blue Blinking 点滅
Firmware update failed ペンのアップデート失敗	Yellow Blinking 点滅
Optical sensor or usage environment check 光学センサーまたは使用環境の確認	Red Illuminating 点灯

## Product specifications / 製品仕様

Model name 型番	NWP-F40
Connectivity 通信方式	Bluetooth 4.2 (LE)
Battery バッテリー	Rechargeable Li-polymer 180mAh 充電式Li-polymer 180mAh
Storage メモリ	2MB memory 2MB xメモリ
Rated input 定格入力	DC 5 V / 180 mA
Usage time 使用時間	14 hours (9 hours of continuous use) 14時間(連続使用 9時間)
Size / Weight 寸法	Length : 149.5mm (without the pen cap) Thickness : 11 mm / 15.6g (without the pen cap) 長さ : 149.5mm (キャップを除く) 厚さ / 重さ : 11 mm / 15.6g (キャップを除く)
Use environment 使用環境	Storage temperature : $-10 \sim 50^{\circ}\text{C}$ / Relative humidity : $\sim 90\%$ Operating temperature : $10 \sim 35^{\circ}\text{C}$ 保管温度 (非作動時) : $-10 \sim 50^{\circ}\text{C}$ / 相対湿度 : $\sim 90\%$ 動作温度 : $10 \sim 35^{\circ}\text{C}$
Ink refills ボールペン芯	D1 type D1タイプのボールペン芯