# E F N O T E 3

STYLE
**A**

STYLE
**B**

EFD3A-STDSET
EFD3B-STDSET

**Quickstart Guide**

**F**

EN

# Hello!

## Contents

For the EFNOTE 3 Reference Guide or other latest information, please refer to the web below.

**Reference Guide PDF**
ef-note.com/products/drums/
 EFNOTE3A/efnote3.html#downloads

**Product Information**
ef-note.com/products/drums/EFNOTE3A

Reference Guide

Product Info

# IMPORTANT SAFETY INSTRUCTIONS

FAILURE TO OBSERVE THE FOLLOWING SAFETY INSTRUCTIONS MAY RESULT IN FIRE, ELECTRIC SHOCK, INJURY TO PERSONS, OR DAMAGE TO OTHER ITEMS OR PROPERTY.
You must read and follow these instructions, heed all warnings, before using this product. Please keep this guide for future reference.

## About warnings and cautions

| ⚠ WARNING | Indicates a hazard that could result in death or serious injury |
| ⚠ CAUTION | Indicates a hazard that could result in injury or property damage |

## About the symbols

| ⚠ | "Caution": Calls your attention to a point of caution |
| 🚫 | "Do not ...": Indicates a prohibited action |
| ❗ | "You must ...": Indicates a required action |

## ⚠ WARNING

**To reduce the risk of fire or electric shock, do not expose this product to rain or moisture**

**Do not use or store in the following locations**
- Locations subject to water or rain
- Moist or humid locations (near a bath or shower, or on a wet floor)
- High temperature locations (in direct sunlight, near heating equipment)
- Locations subject to salt damage
- Excessively dusty locations

**Turn the power off if an abnormality or accident occurs**
In the following situations, immediately turn off the power, disconnect the AC adapter from the AC outlet, and contact your dealer.
- If the AC adapter, power cord, or plug is damaged
- If smoke is emitted or an abnormal odor is noticed
- If liquid or a foreign object enters the product
- If an abnormality or malfunction occurs in the product

**Do not plug or unplug the AC adapter with wet hands**
You risk electric shock.

**Do not drop or subject to strong impact**
Do not drop this product or subject it to strong impact.

**Do not disassemble**
Do not disassemble or modify this product and AC adapter.

**Do not damage the power cord**
Do not excessively bend the power cord or damage it. Do not place heavy objects on top of the power cord. Doing so may damage the power cord, causing fire or electric shock.

**Use the included AC adapter**
Use only the included AC adapter. Use the adapter with the voltage that it specifies.

## ⚠ CAUTION

**Do not place the product in an unstable location**
Doing so may cause the product to overturn, causing personal injury.

**Do not sit or stand on the product, or place heavy objects on it**
Doing so may damage the product.
You should also avoid applying excessive force to the buttons, knobs, display, and input/output jacks. Doing so will cause malfunctions.

**Do not use the product at a high volume for an extended time**
Using speakers or headphones at high volume for an extended time will damage your hearing.

**Grasp the power plug when connecting or disconnecting**
When connecting or disconnecting the AC adapter from the product, you must grasp the plug rather than pulling the power cord.

**Disconnect the power plug from the AC outlet during lightning storms or when unused for long periods of time**
Failure to do so may cause electric shock, fire, or malfunction.

**Disconnect all connections before moving the product**
Failure to do so may cause damage to the power cord or cables, or may cause people to trip over the cables.

**Handle the product with care**
Take care that your hands or fingers are not injured by corners, edges or openings of the product.

**Keep small parts out of reach of children**
Keep small parts out of reach of children who might accidentally swallow them.

**Supervise or give guidance when children use this product or when children are present around this product**
Always take care that children are not injured with this product.

# Important Information

## Power supply

- A small amount of current flows even when the power is turned off. If you will not be using this product for an extended period of time, you may desire to unplug the AC adapter from the AC outlet.

## Regulatory compliance for radio emission devices

- You should keep turning the Bluetooth off when using the product in a country/region other than where it sold.
- The following actions may violate the law.
  - Disassembling or modifying this product.
  - Removing the certification label on the product.

## Placement

- Do not use this product near other electrical products such as televisions, radios. This product may cause noise in televisions or radios.

## Cleaning

- Use a soft dry cloth to clean the product. Do not use benzene, thinner, detergent, or chemically treated cloth, since these can cause deformation or discoloration.

## Data

- Please be aware that the manufacturer bears no responsibility for any consequences that may arise from damage to or loss of data.
- In some cases, equipment malfunction or incorrect operation can cause the contents of the memory to be lost. Please make a backup of any important data that is in the memory.

## Copyright

- Duplication or reuse of the music and sound data contained in or included with this product without permission from the copyright holder is forbidden (with the exception of copying for personal use as permitted by copyright law).
- Copyright for the content (sound data, phrase data, audio data, image data, computer programs, etc.) contained in or included with this product is the property of Ef-Note Inc. Copyright law forbids you to use the above content without permission of Ef-Note Inc. for any purpose other than personal use.
- The above content that is contained in or included with this product may not be resold, distributed, or published, neither in its existing form nor in any way that resembles it.

## Others

- Mac and macOS are trademarks of Apple Inc., registered in the U.S. and other countries.
- Windows is a trademark or registered trademark of Microsoft Corporation.
- ASIO is a trademark and software of Steinberg Media Technologies GmbH.
- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc..
- Company names or product names etc. appearing in this document are the registered trademarks or trademarks of their respective corporate owners.
- EFNOTE is a trademark or registered trademark of Ef-Note Inc.
- All illustrations and screens appearing in this document are for the purpose of explaining operation, and may differ from the actual product or specifications.

\* Ef-Note Inc. cannot be held responsible for damage caused by improper use or modifications to the product, or loss of data.

## For EU countries, UK

CE — Ef-Note Inc. hereby declares that the type of radio equipment EFNOTE 3 (EFD3A-STDSET, EFD3B-STDSET) complies with Directive 2014/53/EU.
The full text of the EU Declaration of Conformity is available at : ef-note.com/compliance

This symbol on the product means that used electrical and electronic equipment should not be mixed with general household waste. The correct disposal will help prevent potential negative effects on human health and the environment. For proper treatment, recovery and recycling, please contact your city office, waste disposal servicer or the shop which you purchased the product.

## For the USA

WARNING
This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

FCC INFORMATION
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 or more 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.
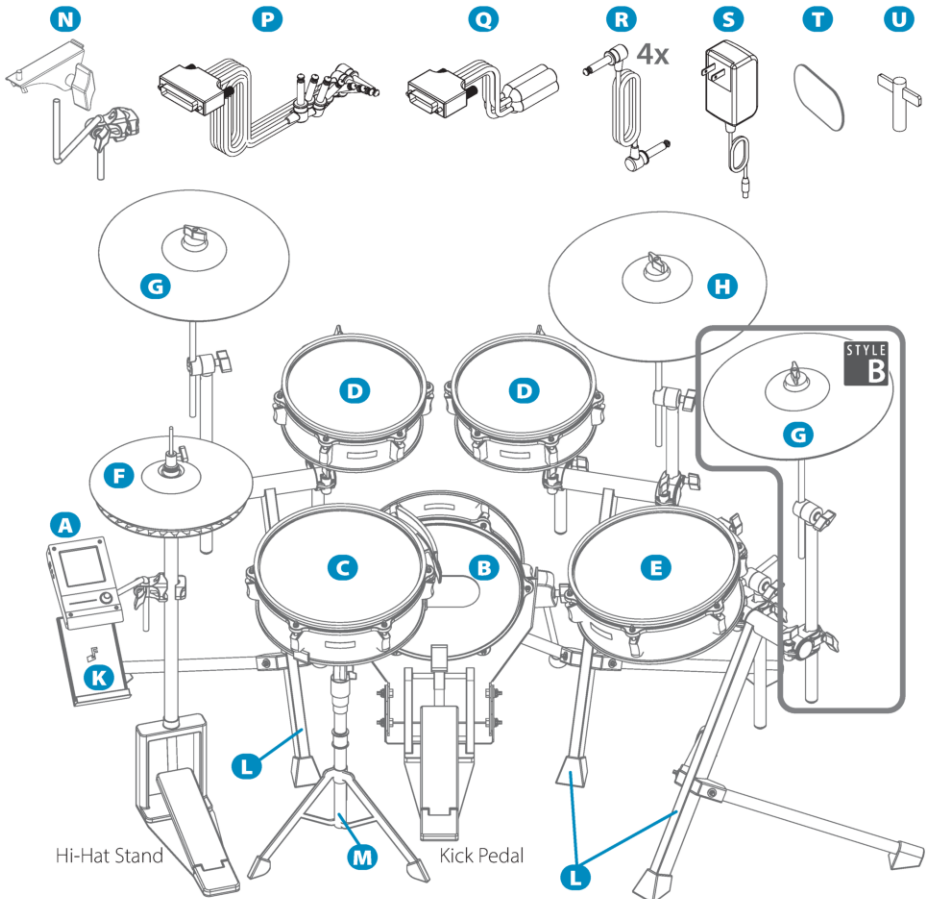
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

# Assembling

## ■ Packing List

| | | |
|---|---|---|
| **A** | Sound Module | 1x |
| **B** | 12" Kick Pad | 1x |
| **C** | 12" Snare Pad with Side-Rim | 1x |
| **D** | 10" Tom Pad | 2x |
| **E** | 12" Tom Pad | 1x |
| **F** | 12" Hi-Hat Cymbals | 1x |

| | | | |
|---|---|---|---|
| **G** | 14" Standard Cymbal | STYLE A | 1x |
| | | STYLE B | 2x |

| | | |
|---|---|---|
| **H** | 16" Standard Cymbal | 1x |
| **K** | Smartphone Tray | 1x |
| **L** | Lambda Tripod | 3x |
| **M** | Snare Stand | 1x |
| **N** | Module Mount | 1x |
| **P** | Multi-AX Cable | 1x |
| **Q** | Multi-B Cable | 1x |

| | | |
|---|---|---|
| **R** | Trigger Cable | 4x |
| **S** | AC Adapter | 1x |
| **T** | Beater Patch | 1x |
| **U** | Tuning Key | 1x |
| | Cable Tie | 10x |
| | Quickstart Guide | 1x |

**N**  **P**  **Q**  **R** 4x  **S**  **T**  **U**

**G**  **H**

STYLE B

**D**  **D**  **G**

**F**

**A**

**C**  **B**  **E**

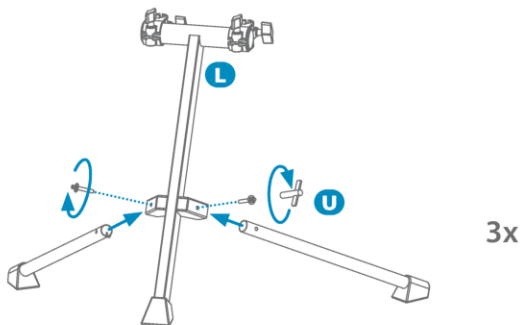**K**

**L**

Hi-Hat Stand  **M**  Kick Pedal  **L**

**NOTE** * Kick pedal and hi-hat stand are optional, and may be included depending on the package purchased. For details, please contact the store where you purchased the product.
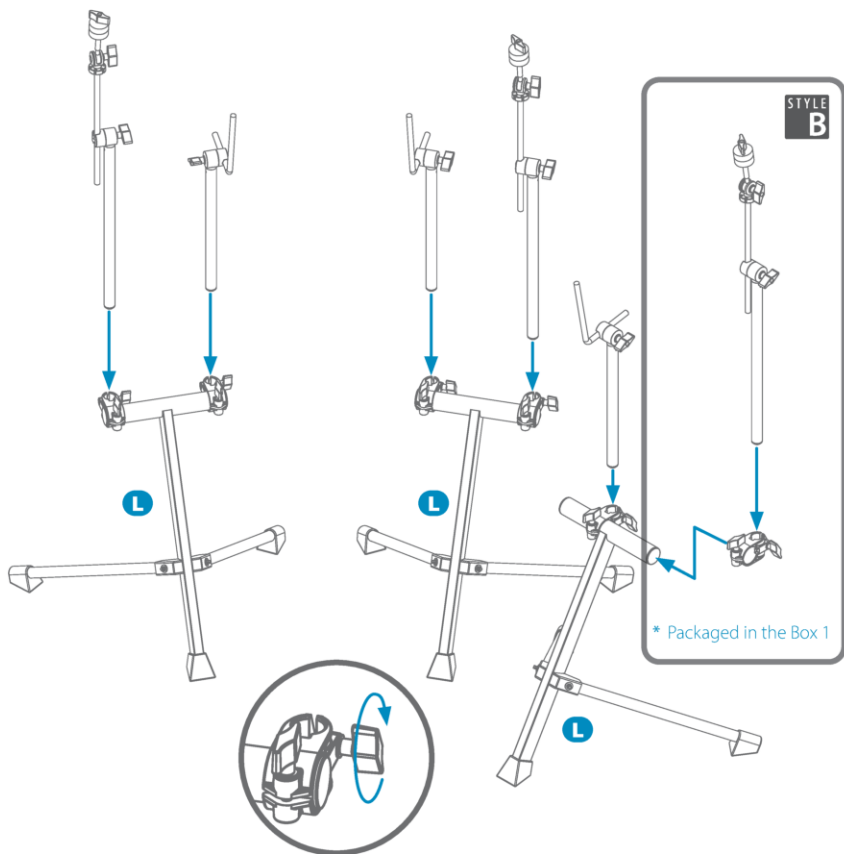
5

## ■ Assembly

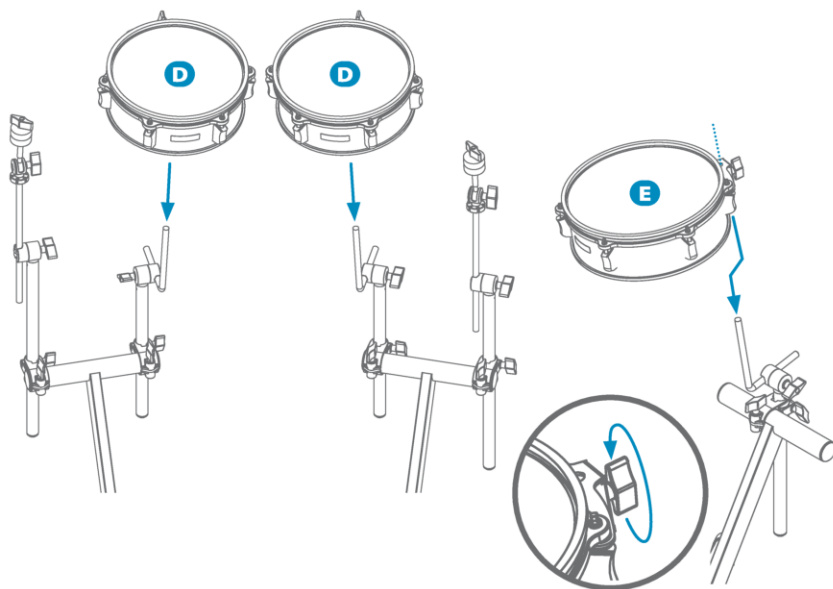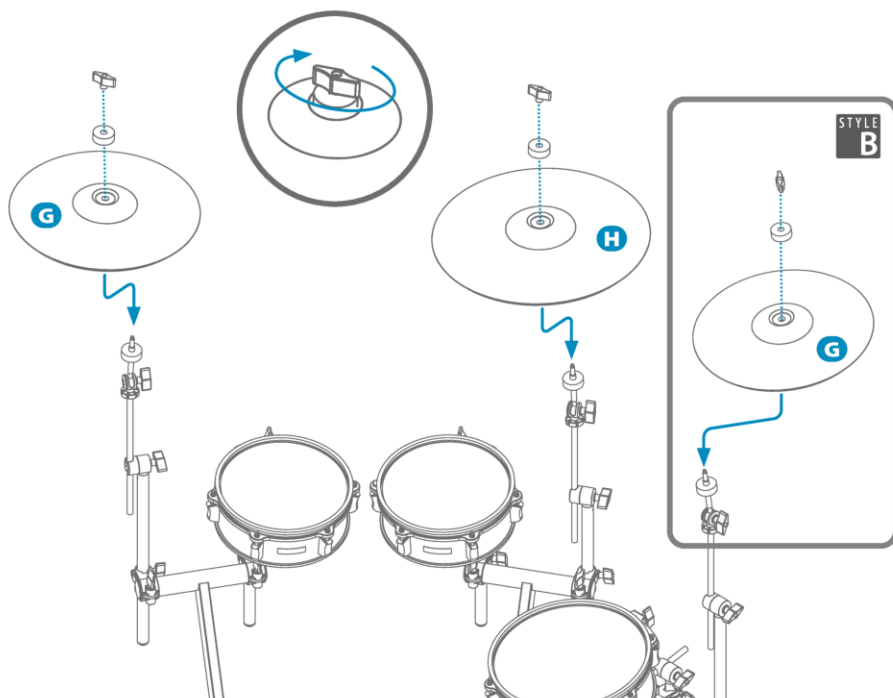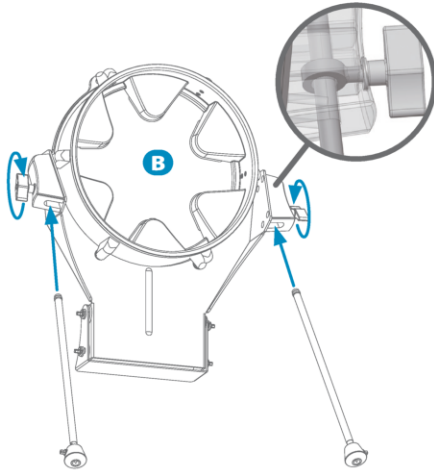**CAUTION** Please be careful not to injure yourself during assembly.

1



**3x**

2



STYLE
**B**

* Packaged in the Box 1
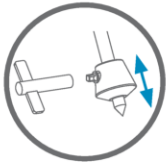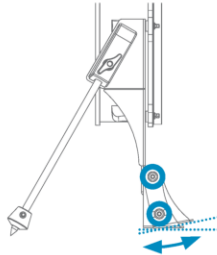
3

D  D

E

4

G

H

STYLE
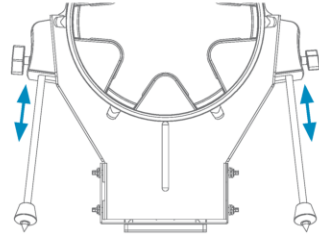B

G

# 5



**B**
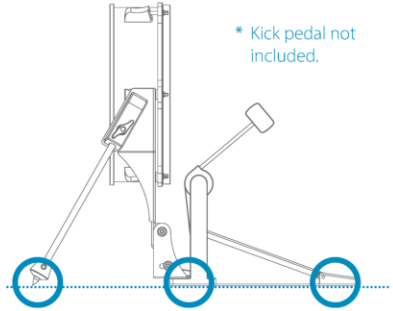
* Kick pedal not
  included.

* Make sure that the three points firmly make contact
  with the floor using the adjustments below.
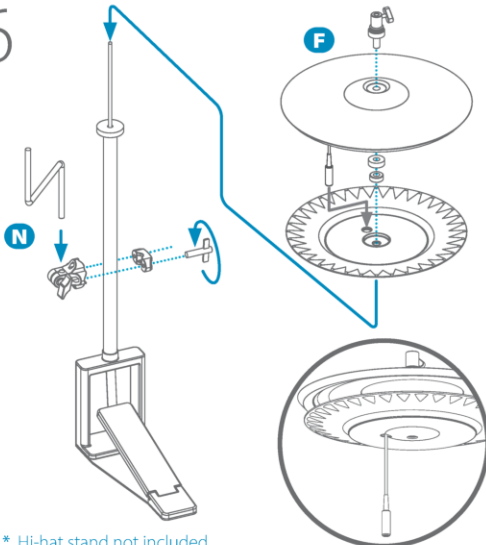
* Be careful with
  the spikes

* Adjust the angle of the base plate
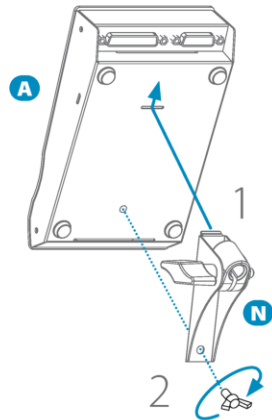  if your kick pedal is unstable.
  (Loosen four bolts to adjust.)

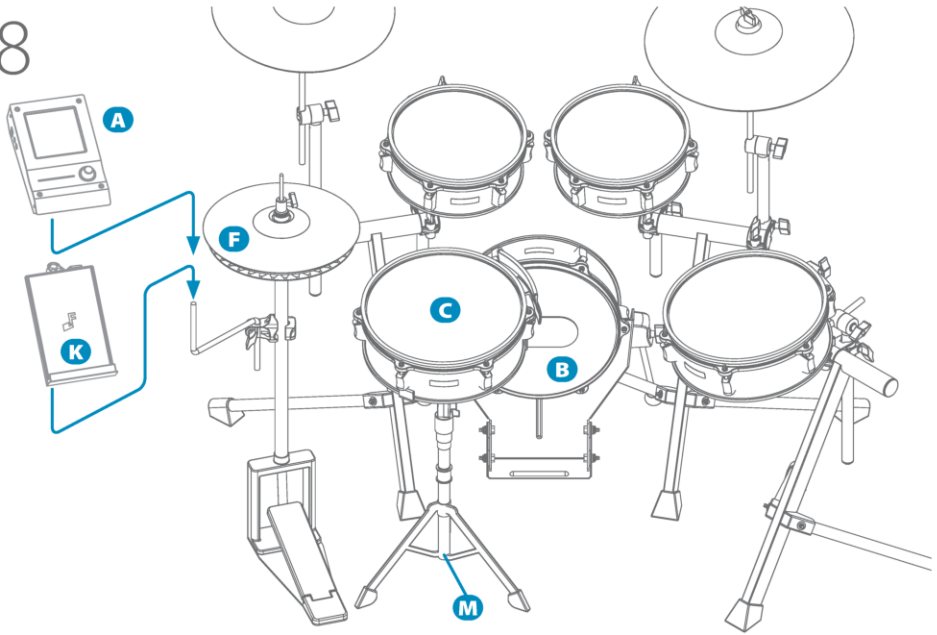* Adjust the length if the legs
  are unstable.

# 6

**F**

**N**

* Hi-hat stand not included

# 7

**A**

1

**N**

2

* Be sure to use the included screws.

# 8



* Be sure to tighten all knobs and bolts firmly.
* Make sure that all stands are stable.
* Be careful that your smartphone does not fall from the smartphone tray.

## ■ Replacing the Beater Patch When It Becomes Worn

Replace the beater patch in its original position.
* Playing without the beater patch may cause damage to the head.
* Be sure not the hard edge of your beater touches the hitting surface.
* The beater patch is a consumable item. Replace when it has worn.
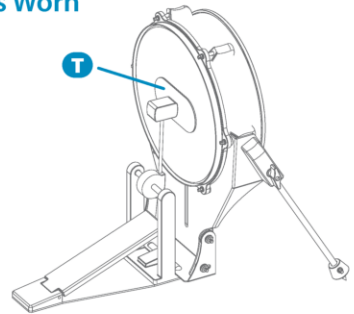


## ■ Tuning the Head Tension

Make sure the mesh drum heads are not to loose.
Tighten up the tuning bolts evenly with tuning key, if needed.
* The mesh drum head is a consumable item. Replace when it has worn.



9

# Connection

**1**



**3**
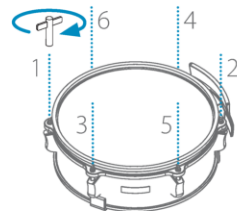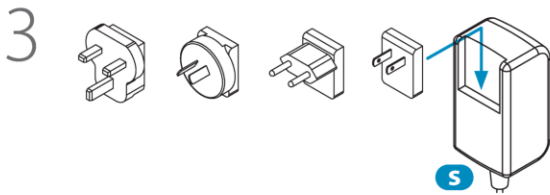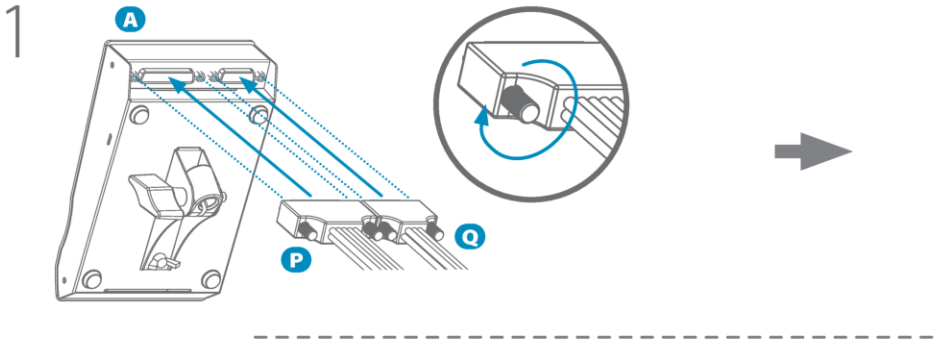
Firmly attach the included plug which is suitable for the outlet in your region.

* Use only the included AC adapter and plug.



**4**



DC IN    AUDIO IN    ⌒

3.5mm (1/8")
Stereo Phone

* Not included

Bluetooth Audio (p. 16)

* Not included

Powered Speakers

1/4" Phone
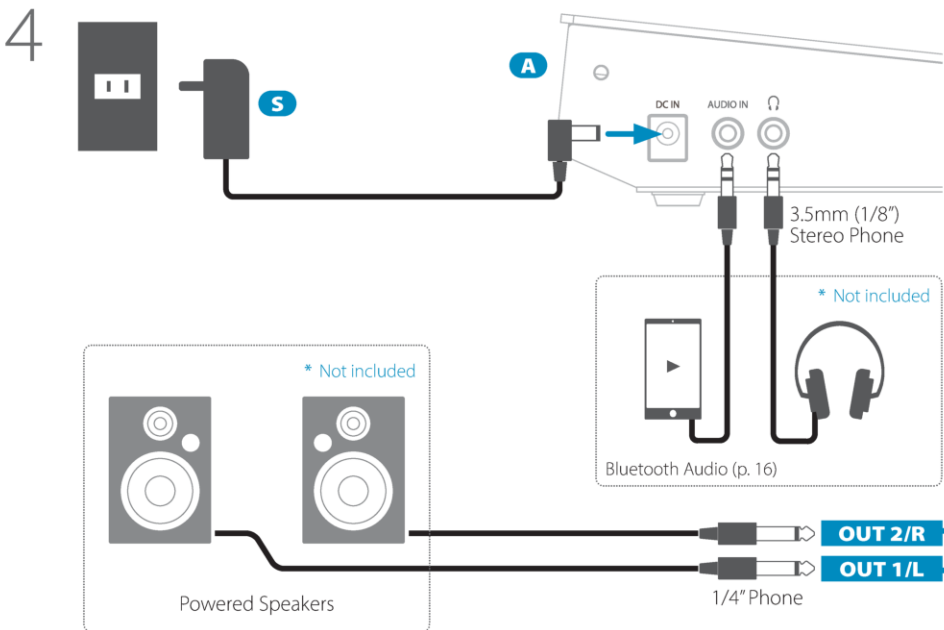
* Audio cables are not included.

**OUT 2/R**

**OUT 1/L**

**MIDI OUT**

2



CRASH1

CRASH 1 CUP*

RIDE
RIDE CUP

HH CTRL

TOM1

TOM2

STYLE
B

CRASH 2 CUP*

CRASH2

P

Q

SNARE

TOM3

KICK

SIDE RIM

R    R    R    R

TOM4*
SIDE RIM
CRASH2
CRASH3*

RIDE
CRASH1
CRASH2

BOW/
EDGE

RIDE CUP
CRASH1 CUP
CRASH2 CUP

CUP
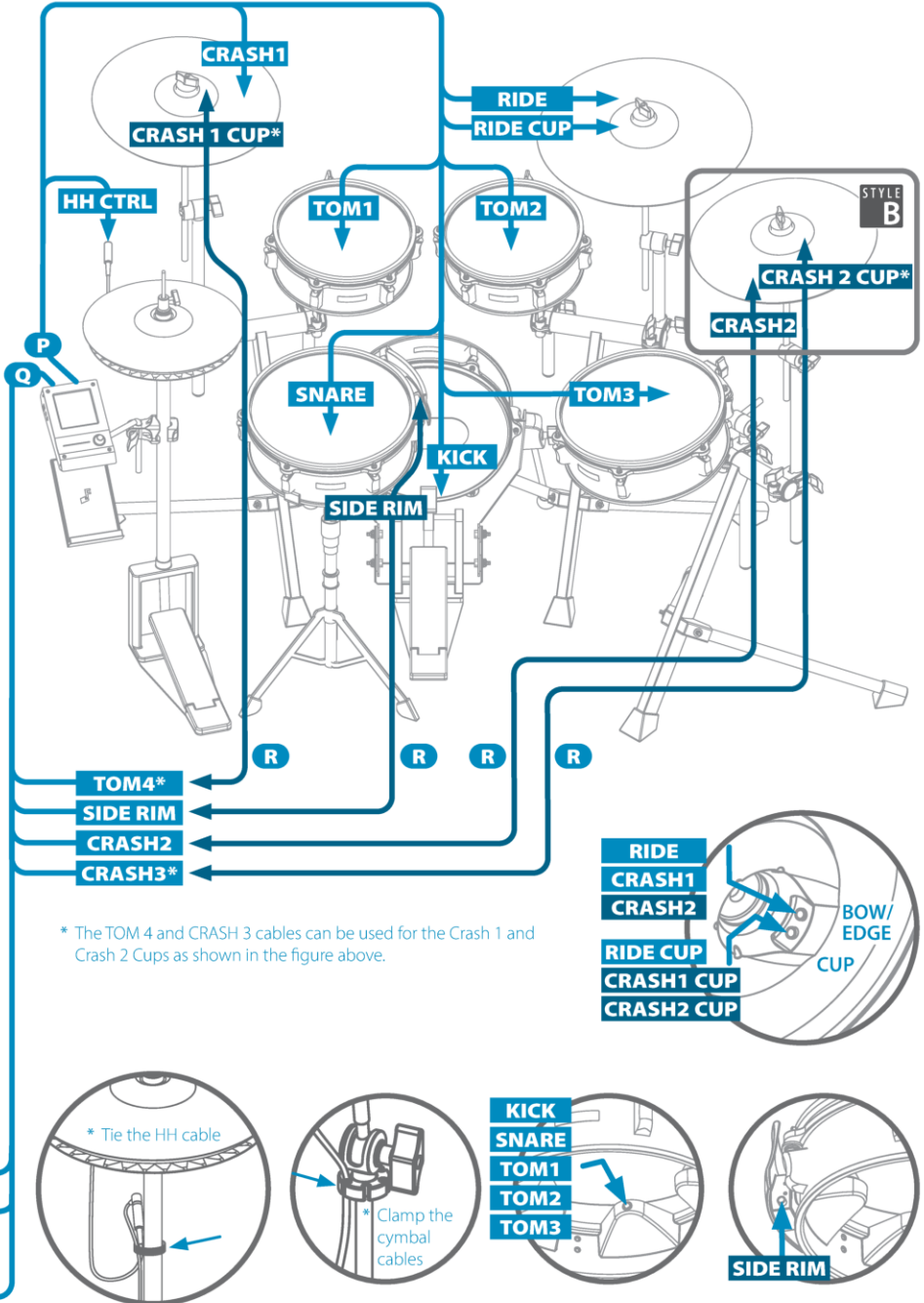
* The TOM 4 and CRASH 3 cables can be used for the Crash 1 and
Crash 2 Cups as shown in the figure above.

* Tie the HH cable

* Clamp the
cymbal
cables

KICK
SNARE
TOM1
TOM2
TOM3

SIDE RIM
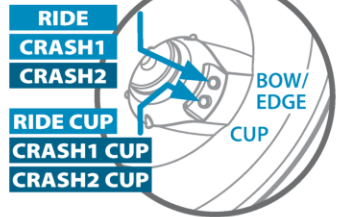
# Basic Operation

## ■ Panel Description

Touch display

Micro USB
(To PC/Mac)

USB

Ring illumination

Power (Push)
Value knob (Rotate)

Linear Indicator

E F N O T E 3

Speaker for click
(Inside)
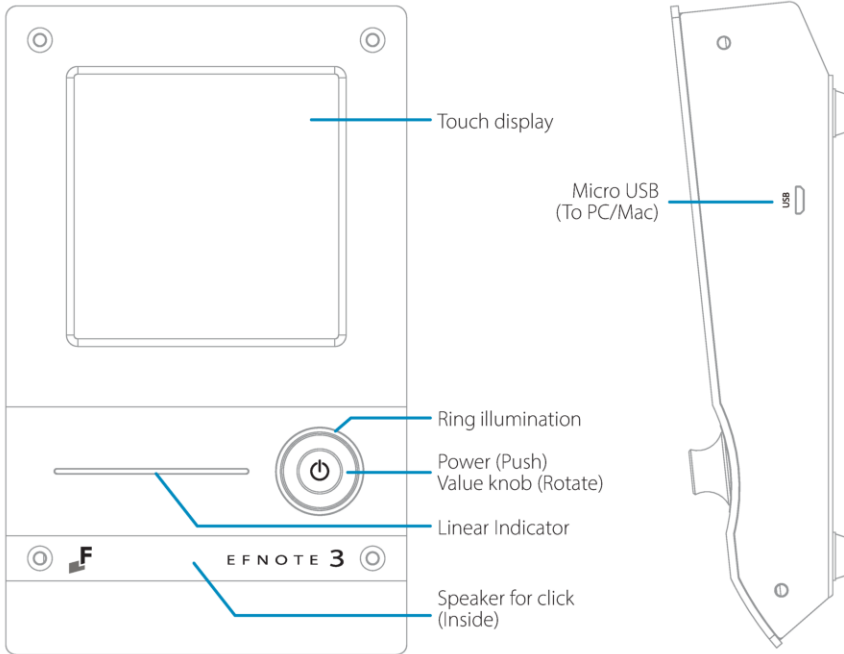
## ■ Power On/Off

### Power On

1

1 sec.

2

E F N O T E

**NOTE**

* After turning the power on, adjust the hi-hat
before playing the drums to get the best playing
feel (p. 15).

### Power Off

1

2

POWER MENU
63%  64%
🎧  📶 in
⏻
Power
Off...   HH Calib.

3

POWER OFF
Are you sure?
✕          ✓
Cancel     Power
           off

4

Shutdown...
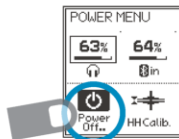
* Not doing this procedure may result in loss of changes.
* The power save function will turn power off automatically after specified period. It can be disabled (p. 15).

## ■ Home Screen

### Switching drum kits

Shows the kit list

Previous drum kit

Next drum kit

TAP

TAP

* Actual kit names may vary.

KIT
01: STUDIO F
02: Neo Classic
03: First Note
04: Beech
05: Unplugged
06: Speed Star
07: Recording
08: Hard Rock
09: Compact
10: Classic

Cancel  Delete  Duplicate  OK

Volume  Info  Click  Record  Menu

## ■ Volume

63%  64%  59%  72%  ×
🎧   Bin  USB in  Audio in  Close

└─ Analog AUDIO IN level
└─ USB audio in level
└─ Bluetooth audio in level
└─ Phones output level

## ■ Inst Info
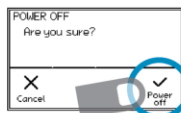
72%         SNARE          ×
Level   DD MapleS 14×5.5   Close
          Instrument

└─ Instrument assigned to the pad
└─ Pad level (Instrument level)
   * Clipping may occur when exceeding 85%.

## ■ Click (Metronome)

┌─ Tempo (BPM)
┌─ Beat (Time signature)
┌─ Click level
┌─ Activates/deactivates external click speaker

126    4    52%   ◀))   ×
Tempo  Beat  Level  Ext Sp  Close

Volume  Info  Click  Record  Menu

└─ Turns click on/off

**CAUTION** Be sure not to listen to audio at a high volume. It can cause permanent hearing loss.

## ■ Recorder

Records your drum performances by MIDI.
* Any other audio sources are not recorded.

2      ▶     ●     🗑     ×
Track  Play  Rec  Clear  Close

└─ Clears target track
└─ Goes to recording stand-by
└─ Plays target track
└─ Selects target track

### Rec Standby

01-1     ■     ▶      ☑        ×
Standby  Stop  Start  Auto Rec  Close

└─ Starts when strike
└─ Starts recording
└─ Cancels recording
└─ Status

### Recording

08-1        ■                      ×
Recording  Stop                   Close

└─ Stops recording
└─ Status

### Playing

06-2      ■     ◀◀    ▶▶    ×
Playing  Stop  FRwd  FFwd  Close

└─ Fast forward
└─ Fast backward
└─ Stops playing
└─ Status

## ▦ Menu

Organizes drum kits for gigs
Manages your user custom instruments
Shows the pad level faders (p. 17)
Changes instrument on each pad (p. 17)
Edits drum kit

Provides basic drum beats
Estimates your strike accuracy
Displays your strike points on timeline
Configures click setup

Closes menu
Configures general settings
Configures triggers (pads)
Connects Bluetooth device (p. 16)
Shows the volume control

Detailed information about screens can be accessed from the menu, please refer to the "Reference Guide" PDF available on the web (p. 2).

## ■ Power Menu

You can access the power menu anytime.

1

2

POWER MENU

Volume control
Closes menu
Goes back to Home screen
Goes to the hi-hat calibration screen
Turns the power off

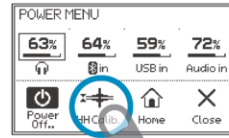* Push the knob again to close the menu.

# ■ Adjusting the Hi-Hat (Auto Calibration)

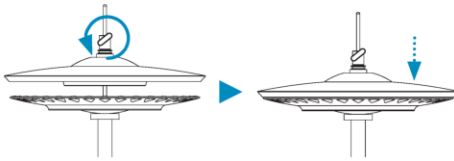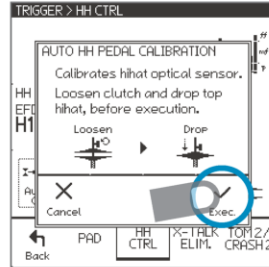Adjusting the hi-hat brings the best hi-hat playing feel.
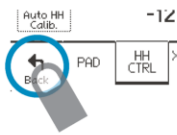
1

2



3

Drop the top hi-hat cymbal.

4



5



# ■ Changing the Power Save Setting

This will turn the power off automatically after a specified inactive period.

1

2



3



When OFF, the module will not turn off automatically.

15

# ■ Connecting Your Smartphone with Bluetooth

You can connect your smartphone to the EFNOTE 3 to listen to audio with Bluetooth.

## Connecting

1 [Menu] > [Bluetooth]

2 Make sure the status is "Ready to pair".
If the status is "OFF", tap it to turn on.



**On your smartphone**

3 Turn Bluetooth on.

4 Find new device discoverable as "EFNOTE AUDIO xxx" (xxx is any value), and select it.

5 If pin code is required, enter "**0000**" (four zeros).

6 Tap [Pair].

7 Make sure the status changes to "Connected", and your phone's name is displayed.
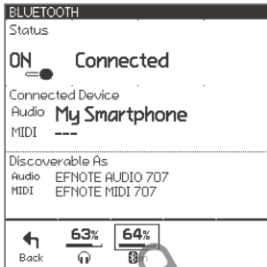


Controls Bluetooth input volume

8 Now, you can listen to the audio playing on your smartphone.

* The sound may be loud, so please be careful with the volume setting.
* If you can't hear the sound, make sure your smartphone's volume is turned up.

**CAUTION** Be sure not to listen to audio at high volume. It can cause permanent hearing loss.

## Disconnecting

1 Tap [Disconnect] on your smartphone.

## Re-connecting

1 Tap [Connect] on your smartphone.

## ■ Changing the Instrument

1 | [Menu] > [Kit Edit]

2 Hit the pad you want to change its instrument.

3

```
KIT EDIT > INST
▶Pad
 SNARE
Inst          SNARE
         DD Maple S14x5.5
Level   Tuning   Muffling
80%    +300c   4
  ↩     INST   MIX   KIT   ⋮
 Back                    Menu
```
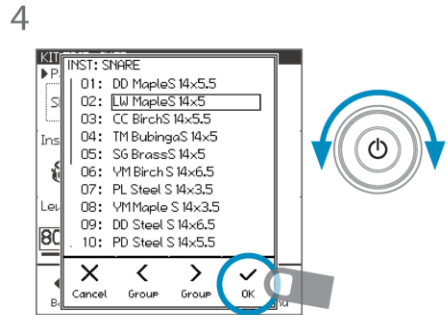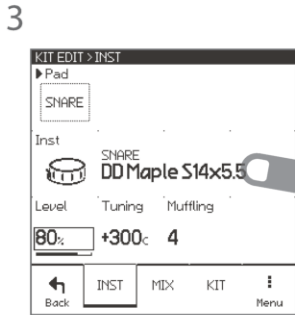
4

```
INST: SNARE
01: DD MapleS 14x5.5
02: LW MapleS 14x5
03: CC BirchS 14x5.5
04: TM BubingaS 14x5
05: SG BrassS 14x5
06: VM Birch S 14x6.5
07: PL Steel S 14x3.5
08: VM Maple S 14x3.5
09: DD Steel S 14x6.5
10: PD Steel S 14x5.5
✕      ‹     ›      ✓
Cancel Group Group  OK
```

* Actual instrument names may vary.

Instrument level, tuning (pitch), and muffling can be edited on this screen as well.
For the other edit parameters, see the reference guide (p. 2).
* Changes are saved automatically.

## ■ Adjusting the Pad Levels

1 | [Menu] > [Levels]

2 Choose a pad.
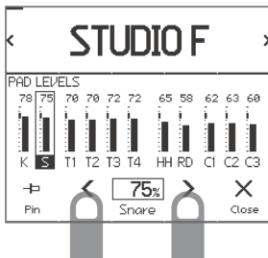
3 Adjust the level.

* Clipping may occur when exceeding 85%.

```
‹   STUDIO F   ›
PAD LEVELS
78 75 70 70 72 72  65 58 62 63 60
K  S  T1 T2 T3 T4  HH RD C1 C2 C3
⊣─    ‹  75%  ›        ✕
Pin     Snare        Close
```

* You can also choose the pad by hitting it.
* If pinned, the selected pad cannot be changed by hit.
* Changes are saved automatically.

# Specifications

### Electronic Drum Kit: EFNOTE 3 (EFD3A-STDSET / EFD3B-STDSET)

Sound Module: EFD-3A

| Item | Specifications |
|---|---|
| Trigger Interface | • 3-Zone: SNARE, CRASH 1/2*, RIDE<br>• 2-Zone: TOM 1/2/3/4, HI-HAT, CRASH 3<br>• 1-Zone: KICK<br>* CRASH 1 and CRASH 2 inputs support 3-zone triggering with using the TOM 4/CRASH 3 cables. |
| Audio / MIDI Interface | • Line (1/2) Output: 2x 1/4"TS Phone (+4dBu, Unbalanced)<br>• Phones (3/4) Output: 3.5mm (1/8") Stereo Phone (320 mW + 320 mW @32Ω)<br>• Audio Input: 3.5mm (1/8") Stereo Phone (+2dBu Max)<br>• USB: Micro-B USB 2.0 Hi-Speed, Audio/MIDI<br>      USB Audio: 8-ch Output (48kHz/24bit) / 2-ch Input (48kHz/16bit), Mac/Windows ASIO<br>• Bluetooth: Audio Input (A2DP), MIDI In/Out (Bluetooth Low Energy/GATT)<br>      Transmission Frequency: 2402--2480 MHz, Maximum Transmit Power: 2.5 mW EIRP<br>• MIDI Out: 5-pin DIN |
| Recorder | • Resolution: 480 TPQN<br>• Tracks: 5<br>• Capacity: Approx. 8,000 Events/Track |
| Power supply | DC 12V, 500 mA (Nominal) / 800 mA (Max) |
| Dimensions / Weight | 172 (W) x 106 (D) x 47 (H) mm / 700 g<br>* Excluding protrusions |

Pads and accessories

| Item | Specifications |
|---|---|
| Kick (EFD-K12P) | • Size: 12 x 4"<br>• Zone: Head<br>• Sensor: Multi<br>• Connector: Head (1/4"TRS Phone) |
| Snare (EFD-S12P) | • Size: 12 x 4"<br>• Zone: Head / Rim / Side-Rim<br>• Sensor: Multi<br>• Connector: Head/Rim, Side-Rim (2x 1/4"TRS Phone) |
| Tom 1/2 (EFD-T10P)<br>Tom 3 (EFD-T12P) | • Size: 10 x 3.5" (Tom 1/2), 12 x 4" (Tom 3)<br>• Zone: Head / Rim<br>• Sensor: Multi<br>• Connector: Head/Rim (1/4"TRS Phone) |
| Hi-Hat (EFD-H12) | • Size: 12" (Top/Bottom)<br>• Zone: Bow / Edge / Cup<br>• Pad Sensor: Multi (360° flat sensing + choke)<br>• Motion Sensor: Multi Optical<br>• Connector: 6-pin<br>* EFNOTE 3 sound module does not support the hi-hat cup zone. |
| Crash 1 (EFD-C14)<br>Ride (EFD-C16)<br>Crash 2 (EFD-C14) [STYLE B] | • Size: 14" (Crash 1/2), 16" (Ride)<br>• Zone: Bow / Edge / Cup<br>• Sensor: Multi (360° flat sensing + choke)<br>• Connector: Bow/Edge, Cup (2x 1/4"TRS Phone) |
| Accessories | Multi Cable (EFD-MULTI-AX), Multi Cable (EFD-MULTI-B),<br>4x Trigger Cable 3.0 m (EFD-TRS-LL3),<br>3x Lambda Tripod, Snare Stand, Module Mount, Beater Patch , Smartphone Tray,<br>AC Adapter, Cable Ties, Tuning Key, Quickstart Guide<br>* Kick pedal, hi-hat stand, and drum throne are not included.<br>* USB cable is not included. |

* Specification and design are subject to change without prior notice.
* [STYLE A] Tom 4, Crash 2, and Crash 3 pads are not included.
* [STYLE B] Tom 4 and Crash 3 pads are not included.

## ■ Optional components and consumable parts

| Option | | Item | Description |
|---|---|---|---|
| Adding a Crash 2 cymbal | STYLE A | EFD-C14 | Standard Cymbal 14"<br>* Using the CRASH 2 cable.<br>* The cup zone is available by using the CRASH 3 cable. |
| | | EFD-CM3 | Cymbal Mount |
| Adding a Tom 4 | | EFD-T12P-WS | Tom Pad 12" (White Sparkle)<br>* Using the TOM 4 cable.<br>* Change the trigger assign from CRASH 1 CUP to TOM 4. |
| | | EFD-TM3 | Tom Mount |
| Adding a splash cymbal (Crash 3) | | EFD-C08 | Splash Cymbal 8"<br>* Using the CRASH 3 cable.<br>* Change the trigger assign from CRASH 2 CUP to CRASH 3. |
| | | EFD-SCM5 | Splash Cymbal Mount |
| Replacing the drum head | | EFD-MDH10 | Mesh Drum Head 10" |
| | | EFD-MDH12 | Mesh Drum Head 12" |
| Replacing the beater patch | | EFD-KBP2 | Kick Beater Patch |

* When any optional pad is added, configure the Pad model and Assign in the Trigger screen. See the Reference Guide for the details.
* Note that multiple options which use the same cable cannot be applied.

### Expanding Example



Splash (Crash 3)  Crash 2  Tom 4
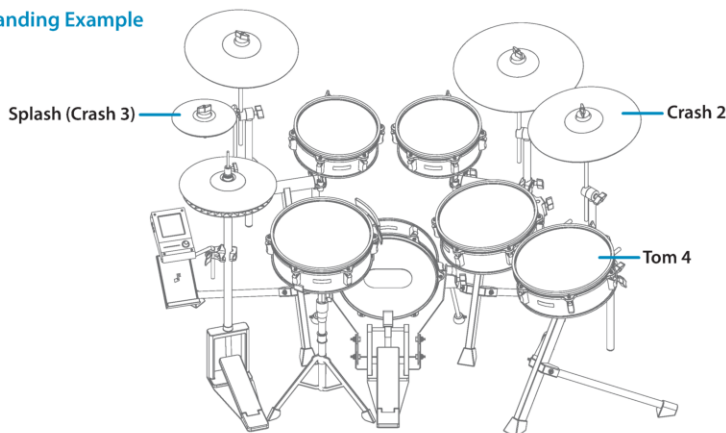
# Support

If you have any questions about the product, please visit the product support page on the web. Alternatively, please contact your local authorized distributor listed on the web below.

**Product Support**
http://ef-note.com/support

**EFNOTE Authorized Distributor List**
http://ef-note.com/distributors

Product Support    Distributors

**E F N O T E**

**ef-note.com**