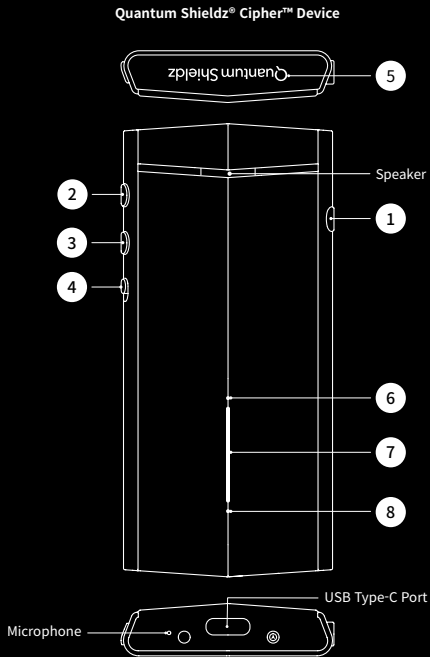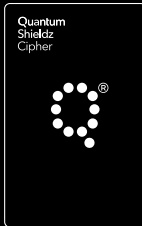# Before Use

Welcome users of Quantum Shieldz® Cipher™.
This manual introduces how to use Quantum Shieldz® Cipher™ (hereinafter referred to as Cipher™).

❶ As of now, Cipher™ app is compatible to Android OS version only. iOS version is planned to be released.

❷ Cipher™ is a device which pairs with a smartphone via bluetooth that may affect the audio quality of phone call depending on the user's communication conditions.
When the phone call voice quality deteriorates, reducing the distance between the device and smartphone(10-20 cm or less) or moving to a place with fewer bluetooth devices helps improve the voice quality of phone call.

❸ The capacity of the battery is 1000mAh and it lasts less than 8 hours in standby mode (5-6 hours on continuous phone call). While Cipher™ of the other party you are calling is turned off, it can still receive call requests or text messages and thus it is recommended to keep the device turned off when not in off, continuous use.

❹ Screen capture and recording voice function of the smartphone do not work during a phone call linked to the Quantum application.
Recording voice function(or recording voice application) may operate but Cipher™ locks the microphone itself, the voice would not be recorded.

❺ When a regular phone call comes in from another party while on a secure call using Cipher™, there will be automatic refusal to the call coming. After the secure call ends, you can check missed calls and respond.
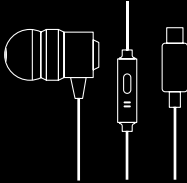
Quantum Shieldz® Cipher™

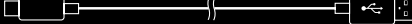
Names and Functions / Components

Quantum Shieldz® Cipher™ Device

5 — (Quantum Shieldz)

2 —
3 —
4 —

Speaker
1

Microphone — USB Type-C Port

9 **Warranty Card**

Quantum Shieldz Cipher

6
7
8

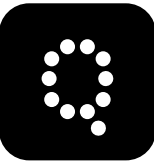10 **Cipher™ exclusive earphone**

11 **USB Type-C Cable**

❶ Power button	Press the button for a while(more than 3.5 seconds) to turn the power on/off. When a secure call comes in, press the button briefly and you can answer the call.
❷ Volume(+) button	Increases the volume during a call. (+) When you press the button briefly in standby mode, you can check the charge level of battery.
❸ Volume(-) button	Decreases the volume during a call. (-) When you press the button briefly in standby mode, you can check the charge level of battery.
❹ Vibrate/silent mode button	Turns the vibrate mode on/off when receiving a call.
❺ Q(Red LED)	In standby mode, LED flickers. During a call, LED light is always on.
❻ Bluetooth status (Blue LED)	Displays the status of connection between smartphone and Cipher™. LED flickers when disconnected, and LED keeps turned on when connected or in standy mode.
❼ Bluetooth status (Blue LED)	Displays the level of battery charge and operation state. - When connected to power, it lights up according to the battery charge level. (From light off at 0%, the lights turns on sequentially per battery charge level, up to 100% full charge where the light turns off) - When you click the volume button, it lights up for 3.5 seconds depending on the battery charge level and then turns off. - While on a call, it flickers according to the battery charge level. - Power On/Off blinks sequentially.
❽ Power status (Red LED)	When connected to USB Type-C port, it lights up.
❾ Warranty card	Register Cipher™ device with serial number and QRcode.
❿ Earphone for Cipher™	Only the USB Type-C MONO earphones device can be used exclusively for Cipher™. These earphones are used for analog type only, not DAC built-in earphones for general use.
⓫ USB Type-C cable	The USB Type-C cable is for charging battery. During charging, the charging status and level of charge are displayed on LED of the device.

Cipher™'s Dedicated Application Download and Install (for Android)

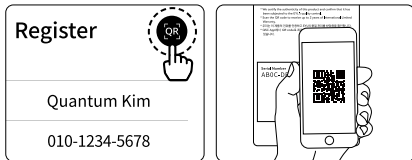**Application exclusively for Quantum Shieldz® Cipher™**

❶ Download and install the application to use Cipher™.

❷ You can download it from the Google Play Store on Android OS. (Search terms: Quantum Shieldz, Quantum Shieldz Cipher, QSC, etc.)

❸ Required permissions during installation must be allowed for stable use.
(Allow access to bluetooth, location information, etc.)

❹ To use all the optimized functions of Cipher™, keep the application updated to the latest version.

※ It is recommended to use smartphone with OS installed higher than Android version 8.1.0 (Oreo) for the application's normal operation.

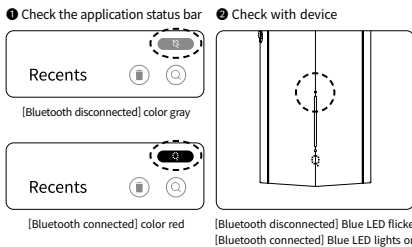# Cipher™ Registration and Bluetooth Connection

1. User registration and bluetooth connection

❶ Open Cipher™ application and click buttons in order to activate camera: [setting user registration insert QR code]

❷ Scan QR code on the back of warranty card with camera and product information will be automatically entered.

Register QR
Quantum Kim
010-1234-5678

❸ Select the device, register information and click register. (Required to agree to terms and conditions when registering)

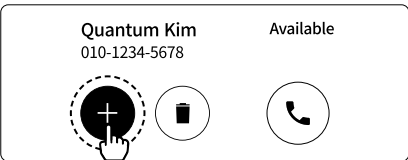❹ Open the application and turn on the power of Cipher™, they are automatically connected via bluetooth.

2. Check bluetooth connection

❶ Check the application status bar ❷ Check with device

Recents
[Bluetooth disconnected] color gray

Recents
[Bluetooth connected] color red

[Bluetooth disconnected] Blue LED flickers
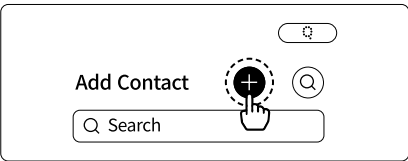[Bluetooth connected] Blue LED lights on

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Functions of Each Menu of the Dedicated Application

1. Contact registration

You can add contact information at [Recents / Contacts / Keypad] a tab at the bottom of the application.

Quantum Kim   Available
010-1234-5678

❶ You can add contact information by touching the buttons in order: [Recents → select the person's contact info → add(+) button → register contact]
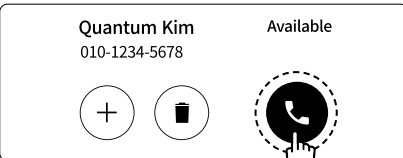
Add Contact
🔍 Search

❷ You can add contact information by touching the buttons in order: [Contacts → add(+) button → register contact]
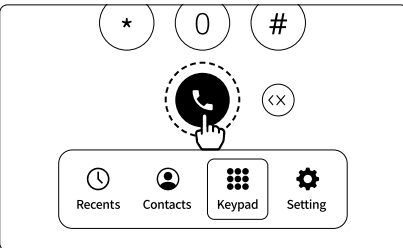
01012345678
Add Contact

❸ You can add contact information by touching the buttons in order: [Keypad → enter contact information → Add Contact(text)]

2-1. Making a call – When the person you are trying to reach is in available status(Cipher™ connected)

When you open the application, you can find [Recents / Contacts / Keypad] tab at the bottom and you can make a call using this tab. You can check whether the person you are calling is available or not. If he/she is not available, you can make a forced call or send a request message.
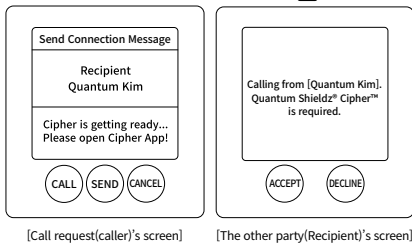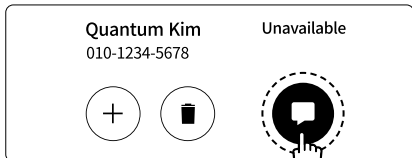
Quantum Kim   Available
010-1234-5678

❶ Make a call by touching the buttons in order: [Recents/ Contacts → touch the person you are calling → call]

*   0   #

Recents Contacts Keypad Setting

❷ Make a call by touching the buttons in order: [Keypad → touch the person you are calling → call]

2-2. Making a call – When the person you are trying to reach is in unavailable status(Cipher™ disconnected)

When the person you are trying to call does not connect his/her smart phone to Cipher™, you can send a message(push alarm) or make a forced call. Later when the person connects Cipher™ and turns up available, you can make a call.
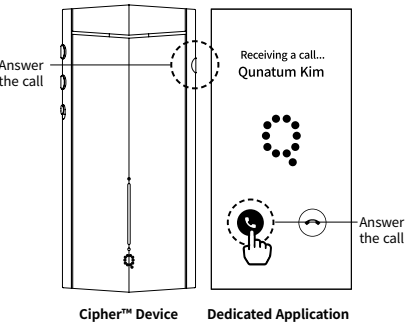
Quantum Kim   Unavailable
010-1234-5678

Send Connection Message
Recipient
Quantum Kim

Cipher is getting ready...
Please open Cipher App!

CALL SEND CANCEL

Calling from [Quantum Kim].
Quantum Shieldz® Cipher™
is required.

ACCEPT DECLINE

[Call request(caller)'s screen]   [The other party(Recipient)'s screen]

❶ Send a request for a call by touching the buttons in order: [Recents/ Contacts → touch the contact info of the person you are trying to call → send push alarm or call request]

※ On keypad screen, you can try to call regardless of the recipient's connection status. When the recipient becomes available to receive the call, a note of incoming call is informed and the call will be on hold to be received.

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3. Receiving a call

When there is an incoming call, the recipient's smart phone(ring or vibrate) and Cipher™ device(vibrate or silent) will ring.
You can answer the call by pressing the dedicated application's call button or Cipher™ device's power button.

Answer the call

Receiving a call...
Qunatum Kim

Answer the call

Cipher™ Device   **Dedicated Application**

For more information and inquiries

Company(EYL) Website : www.eylpartners.com
Brand(Quantum Shieldz®) Website : www.quantumshieldz.com

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