



## **Bluetooth Communication Interface**

**ID SCAN H3**

## 1 Transmission Format

Fixed	OP	Data
1 byte (0xBA)	1 byte	0 – 18 bytes

### 1.1 OP Definition

OP_SPEC_CODE	0x05
OP_CMD_TO_LASER	0x06
OP_SET_SPEAKER	0x07
OP_SET_VIBRATOR	0x08

### 1.2 Data Definition

Data has different format definitions for different operations (OPs).

#### 1.2.1 OP\_SPEC\_CODE Command

Fixed	OP	Data
0xBA	0x05	Set the code content, excluding the prefix %%SpecCode

This message is sent from the device to the scanner. The scanner receives the data transmitted via BLE/SPP and performs the corresponding setup operations.

Note: this setup code is stored identically to the barcode in the setup manual.

When sending a command you need to remove the prefix of %%SpecCode. For example if you want to set the volume to high, the complete setting code is %%SpecCode97. If you send the setting command via bluetooth, you need to send 0xBA0597.

#### 1.2.2 OP\_CMD\_TO\_LASER Command

Fixed	OP	Data
0xBA	0x06	Scan module command

This message is sent from the device to the scanner. The scanner receives the data via bluetooth and parses the control command of the scanning engine and transmits it to the laser scanning engine.

#### 1.2.3 OP\_CMD\_TO\_SPEAKER Command

Fixed	OP	Data
0xBA	0x07	Buzzer Mode Code

This message is sent from the device to the scanner. The scanner will respond with a buzzer upon receiving the message.

Buzzer code description:

0x02	Normal scanning sound, a low-frequency sound
0x04	Set the code reading sound, high frequency first then low frequency
0x06	Error tone, 3 rapid low-frequency sounds
0x08	Storage prompt sound, low frequency first, then high frequency
0x0B	Shutdown sound, high frequency followed by a long low frequency
0x0C	Pairing failed, 2 low-frequency beeps
0x0D	Power-on sound, low frequency followed by long high frequency
0x0E	Low voltage alarm, 5 low-frequency sounds
0x11	Error setting code, 2 rapid high-frequency beeps

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#### 1.2.4 OP\_SET\_VIBRATOR Command

Fixed	OP	Data
0xBA	0x08	Vibration pattern code

This message is sent from the device to the scanner. Upon receiving the message, the scanner will respond with a vibration prompt.

Vibration prompt code description:

0x01	short vibration
0x02	moderate vibration
0x03	long vibration

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