

Bluetooth User's Guide (Console Application)

Version 1.4.1

Display Audio

Solution Team



Release information

The following changes have been made to this document.

Change History

Date	Change
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10 Oct. 2019	Patch release for v1.4.1

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Contact us

[11595] BundangYemiji Bldg. 12F, 31 Hwangsaek-ro 258 beon gil, Bundang-gu, Sungnam-city, Gyeonggi-do, Korea.

TEL: 82-31-698-7400

FAX:82-31-698-7455

<http://www.nexell.co.kr>

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Chap 1. Overview

1.1 Introduce

This document describes function scenario of the NXBT class APIs.

1.2 Application

It provides a simple console application to test the NXBT class APIs.

1.2.1 NxBTServiceConsole

```
=====
NXBT version : v1.4.0
=====
```

```
NXBT profile service main menu :
```

```
[MGT]=====
0          => Read BSA server and FW version
1          => Get local BT information
2          => Set local BT name
3          => Get paired device list
4          => Enable auto-connection mode
5          => Disable auto-connection mode
6          => Enable auto-pairing mode
7          => Disable auto-pairing mode
8          => Accept pairing
9          => Reject pairing
10         => Request repair to paired device
11         => Unpair the device
12         => Set discoverable
13         => Clear discoverable
14         => Start discovery
15         => Stop discovery
16         => Get discovered device list
17         => Bond discovered device
18         => Cancel the bonding of the device being bonded
```

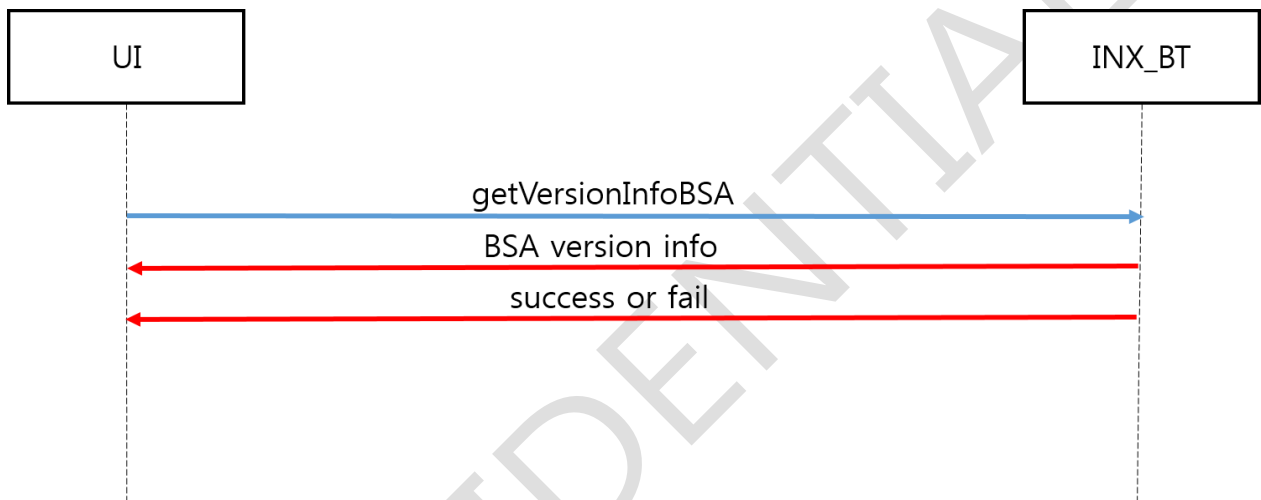
[AVK]=====	
19	=> AVK connection
20	=> AVK disconnection
21	=> Get number of the AVK connection
22	=> Get AVK connected device address
23	=> Get latest AVK connected device index
24	=> Start play
25	=> Stop play
26	=> Pause play
27	=> Next play
28	=> Prev play
29	=> Equalizer off
30	=> Equalizer on
31	=> Repeat off
32	=> Repeat single
33	=> Repeat all
34	=> Repeat group
35	=> Shuffle off
36	=> Shuffle all
37	=> Shuffle group
38	=> Scan off
39	=> Scan all
40	=> Scan group
41	=> Request player values
42	=> Open AVK audio
43	=> Close AVK audio
44	=> Get media elements
[HS]=====	
45	=> HS connection
46	=> HS disconnection
47	=> Get HS connected device address
48	=> Get latest HS connected device index
49	=> Pickup the call
50	=> Hangup the call
51	=> Open HS audio
52	=> Close HS audio
53	=> Mute microphone

54	=> Unmute microphone
55	=> Dial a phone number
56	=> Redial a phone number
57	=> Send DTMF AT command
58	=> Request call indicator
59	=> Request call operator name
60	=> Request current calls
61	=> Request my phone call number
62	=> Get battery charging status value
63	=> Start voice recognition
64	=> Stop voice recognition
[PBC]=====	
65	=> PBC connection
66	=> PBC disconnection
67	=> PBC abort
68	=> Import contacts
69	=> Import call history
[MCE]=====	
70	=> MCE connection
71	=> MCE disconnection
72	=> Get message
=====	
99	=> Quit
=====	
Select menu =>	

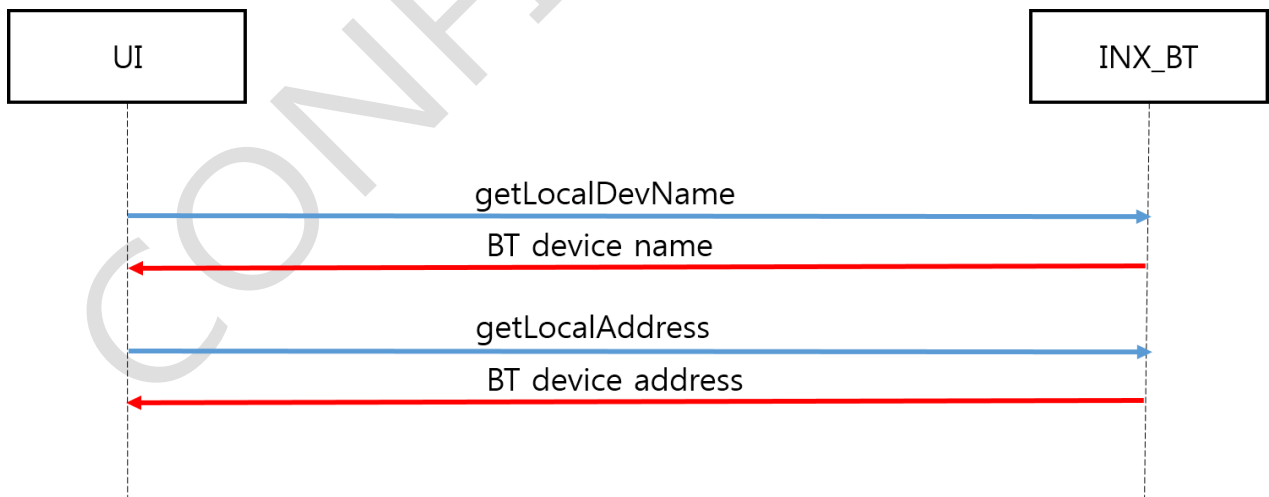
Chap 2. Function scenarios

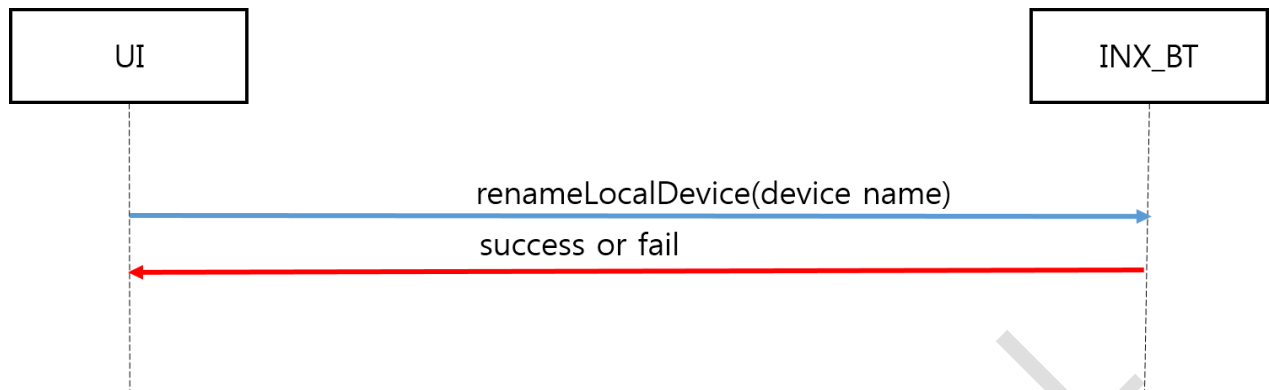
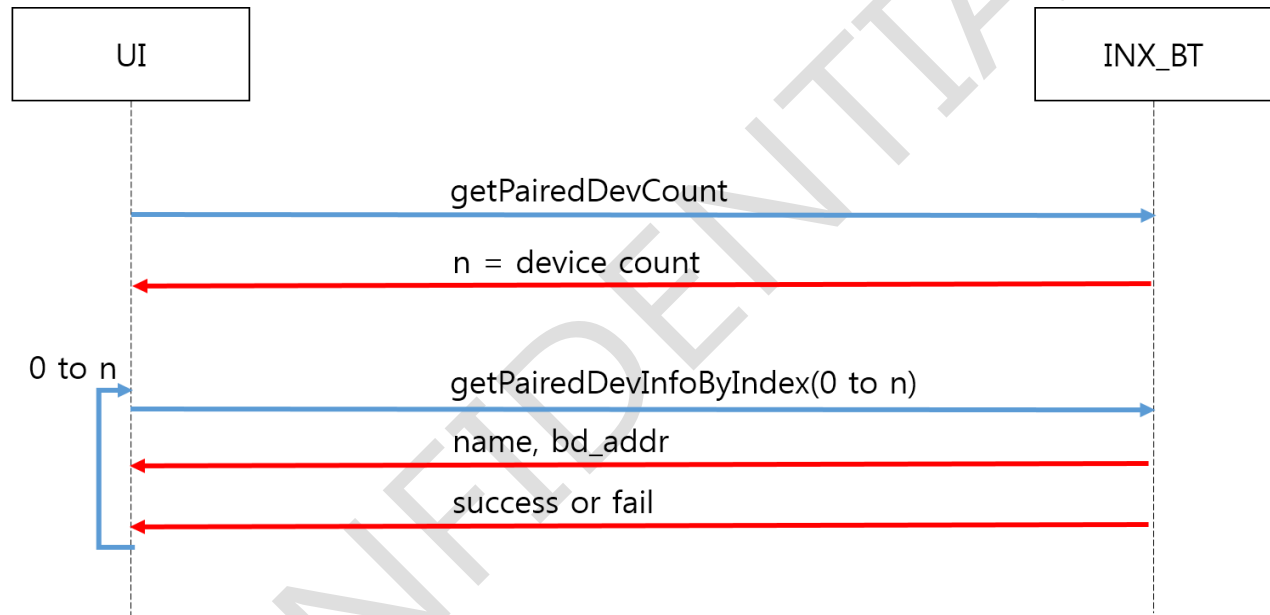
2.1 MGT functions (Manager)

2.1.1 Read BSA server and FW version

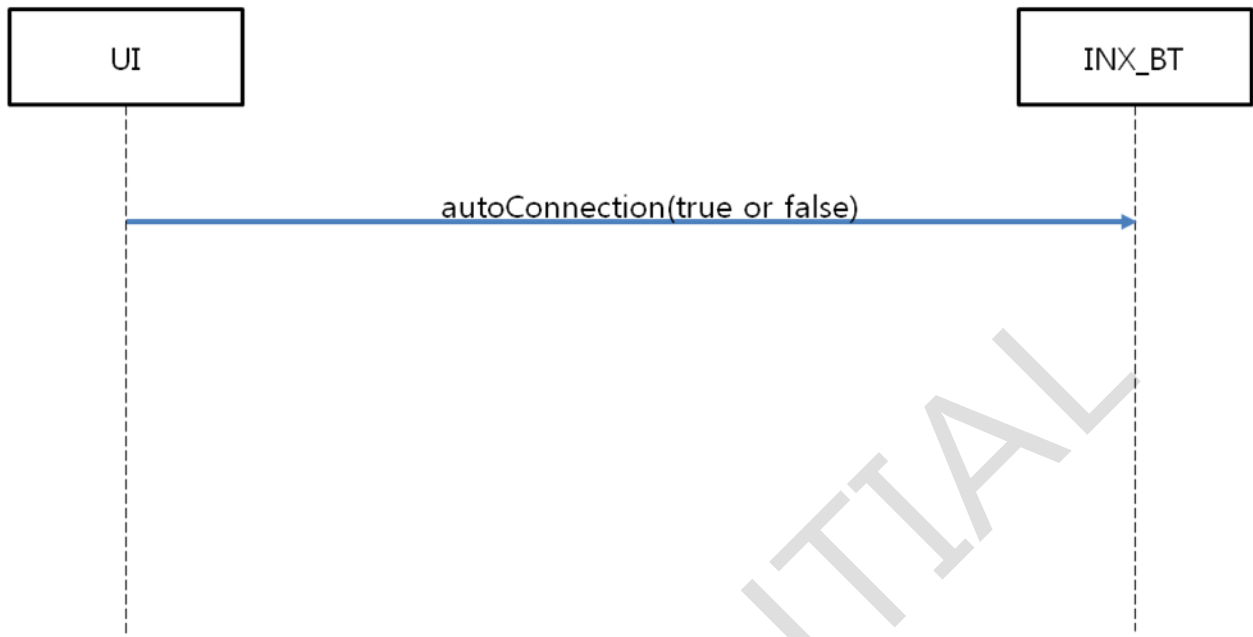


2.1.2 Get local BT information

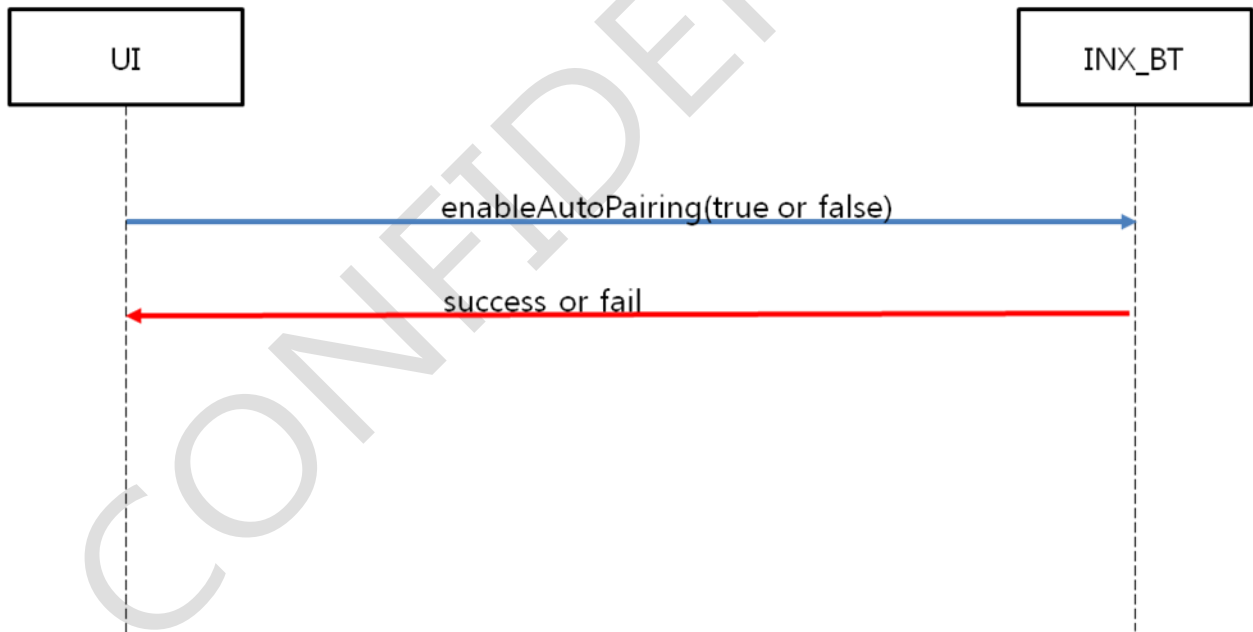


2.1.3 Set local BT name**2.1.4 Get paired device list**

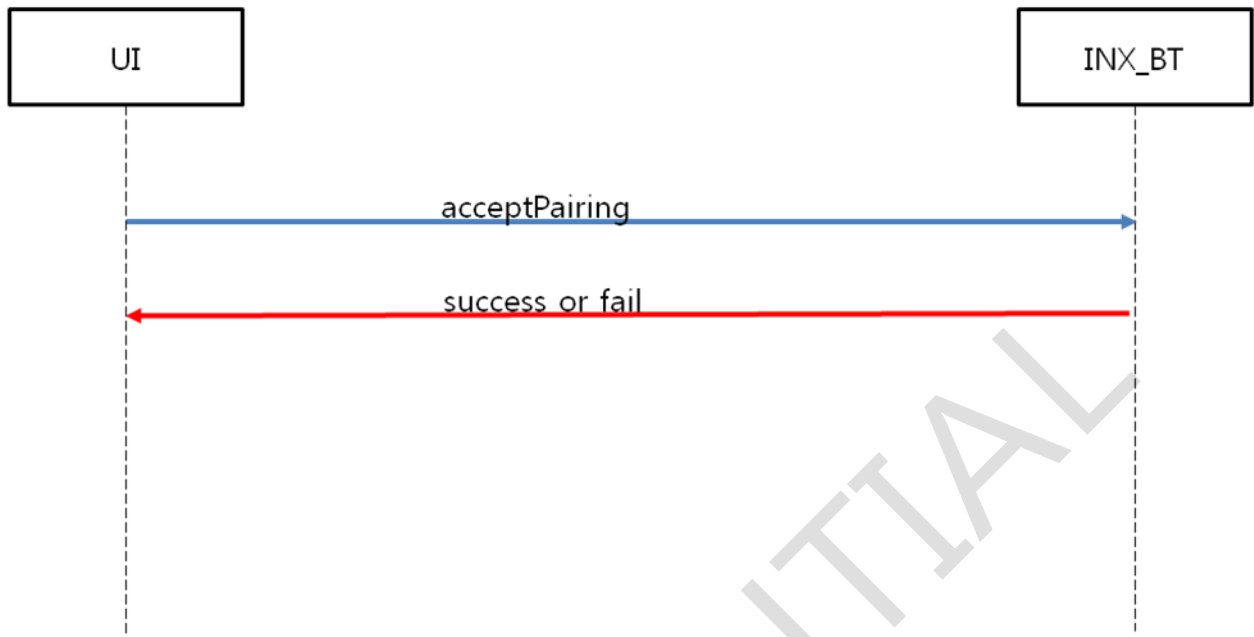
2.1.5 Enable/Disable auto-connection mode



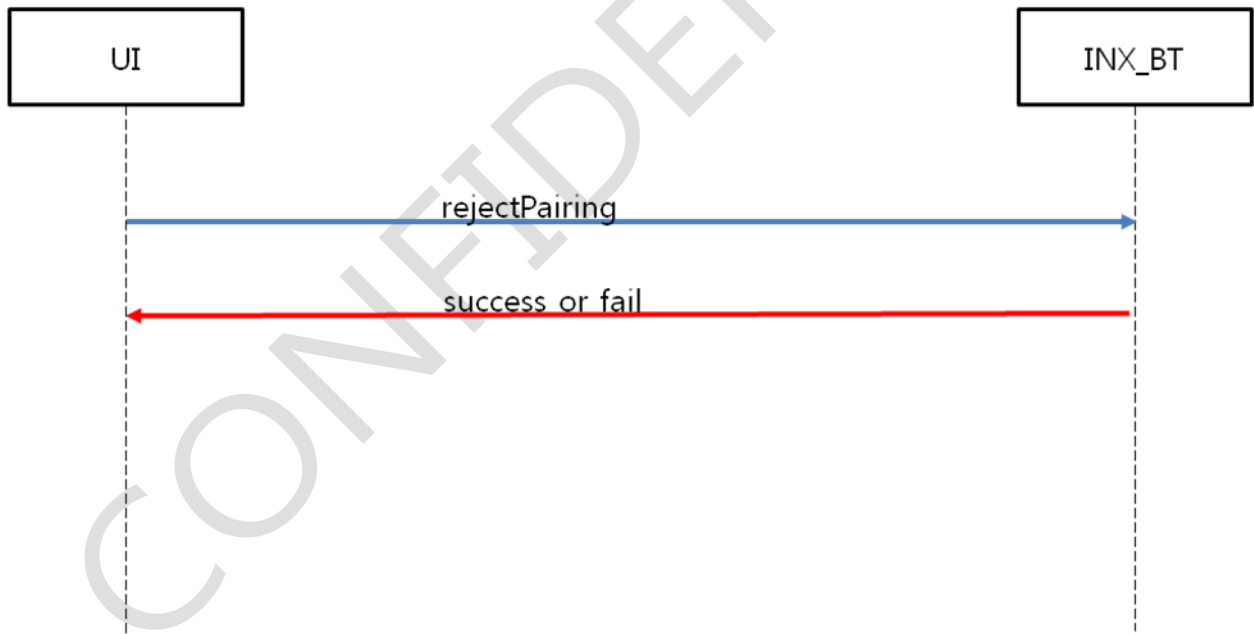
2.1.6 Enable/Disable auto-pairing mode



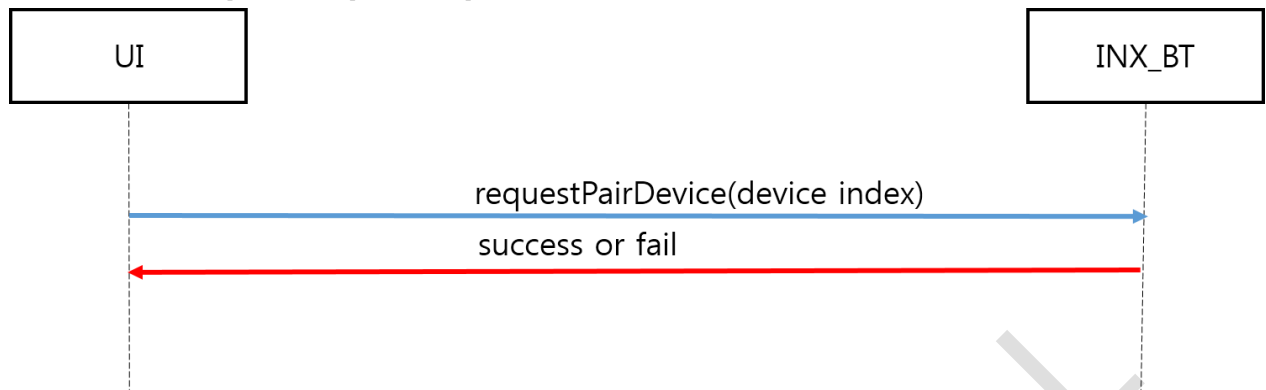
2.1.7 Accept pairing



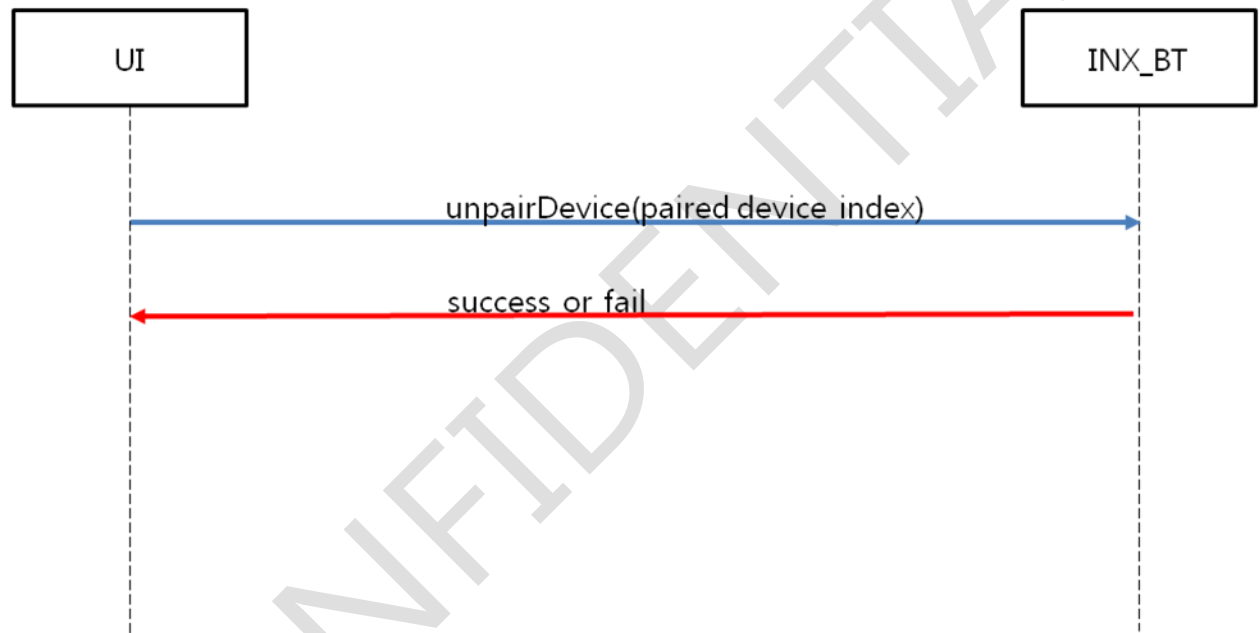
2.1.8 Reject pairing



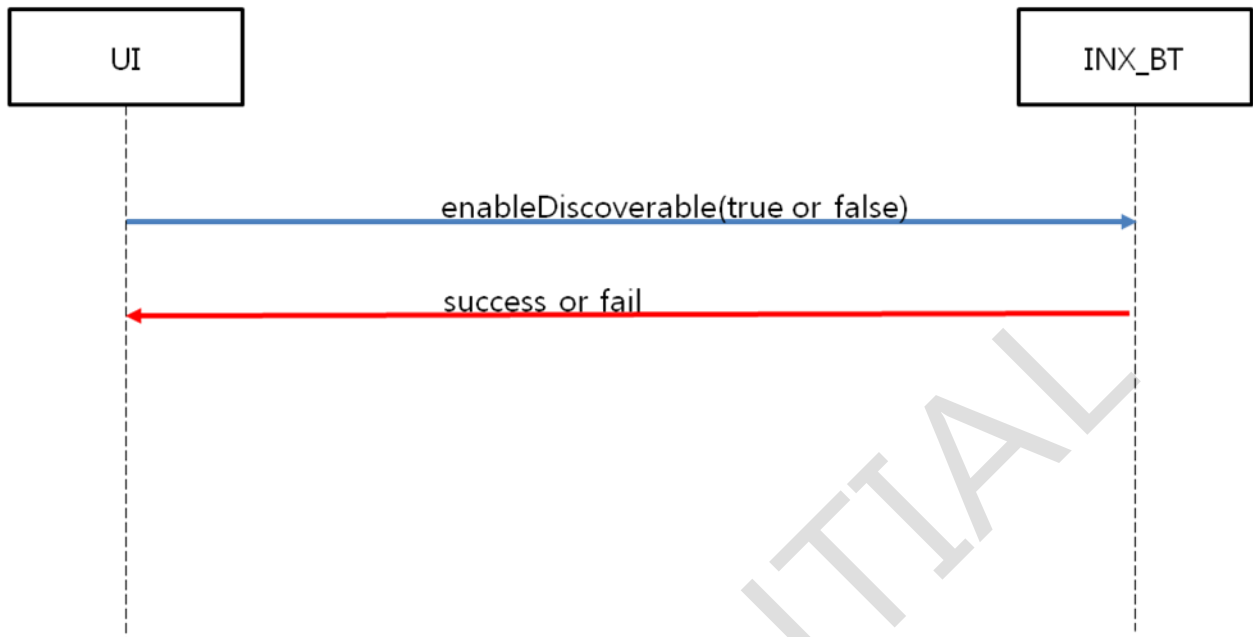
2.1.9 Request repair to paired device



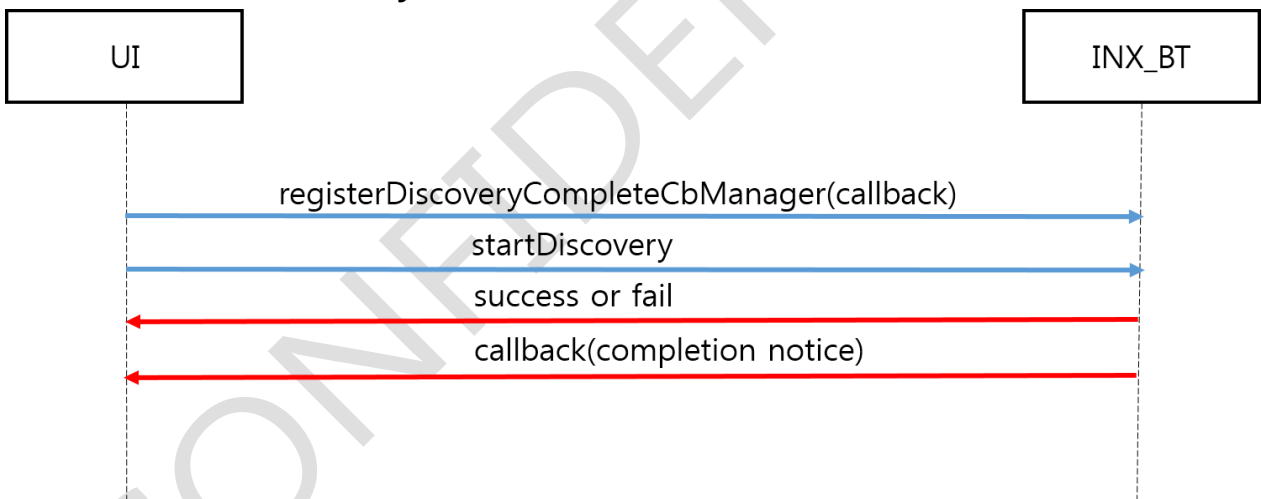
2.1.10 Unpair the device

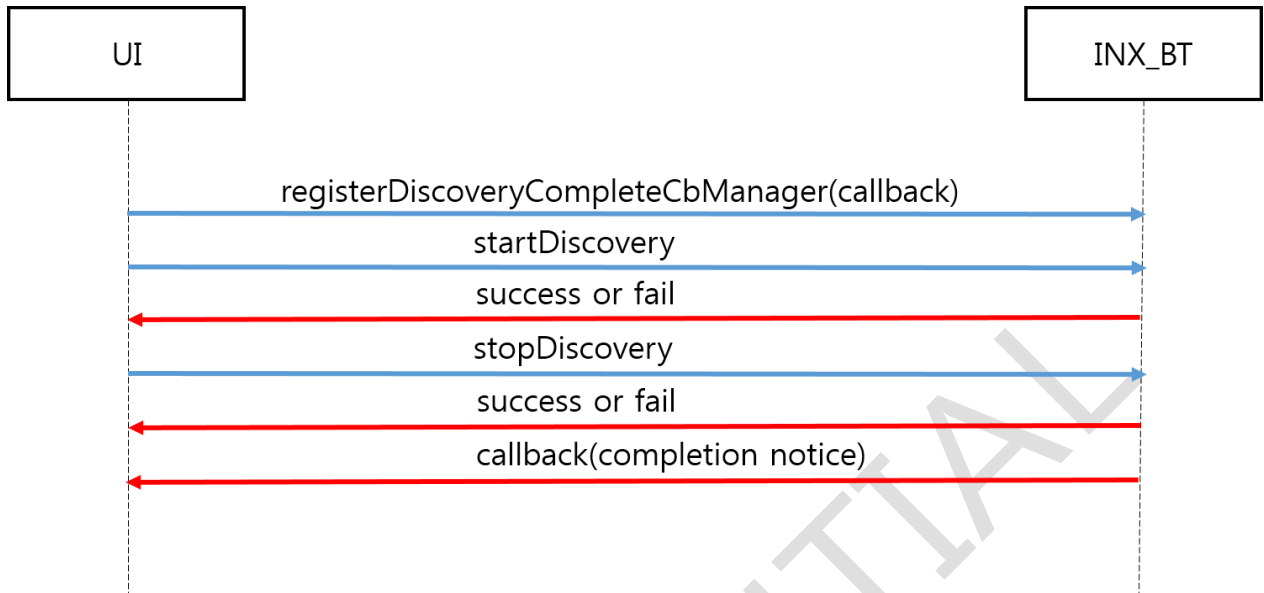
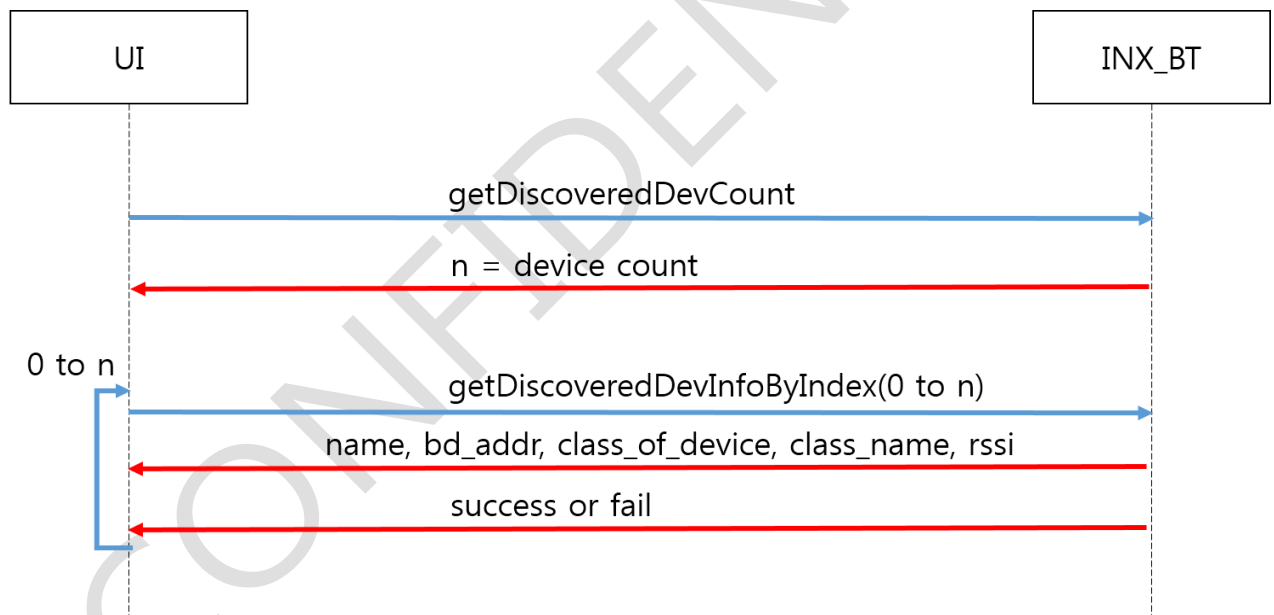
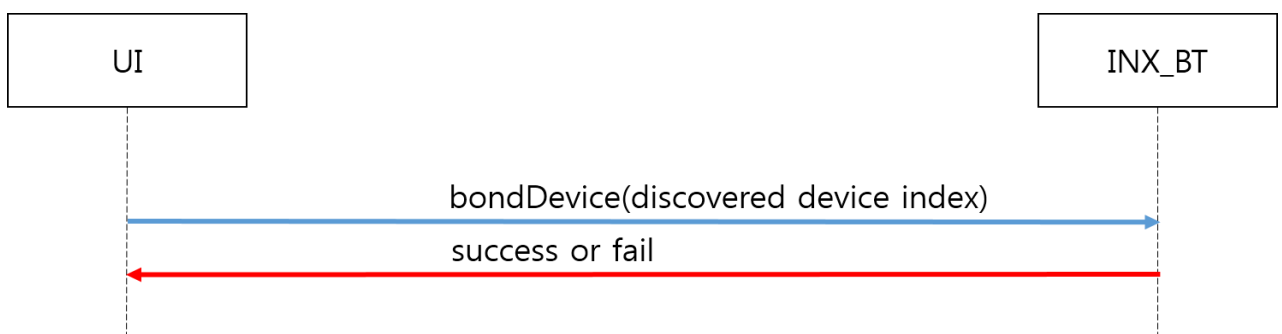


2.1.11 Set/Clear discoverable

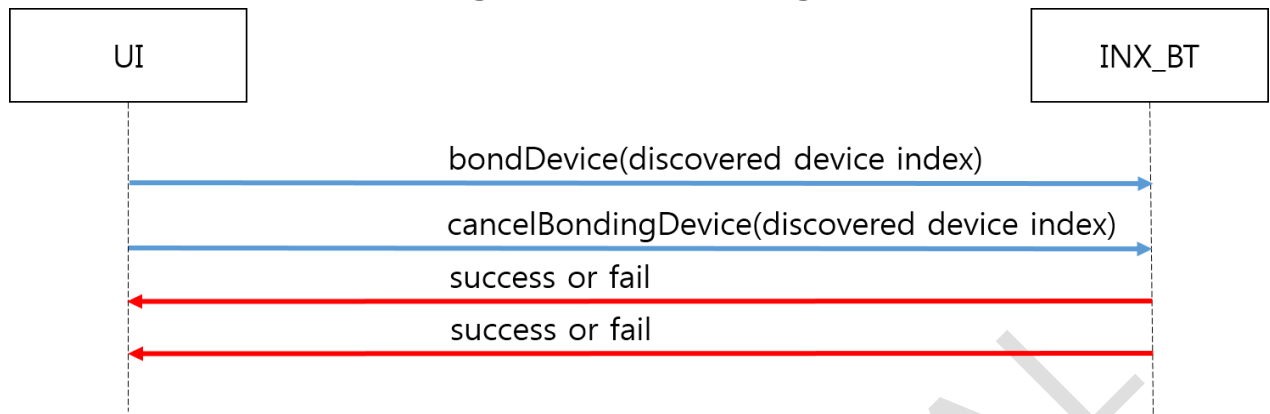


2.1.12 Start discovery



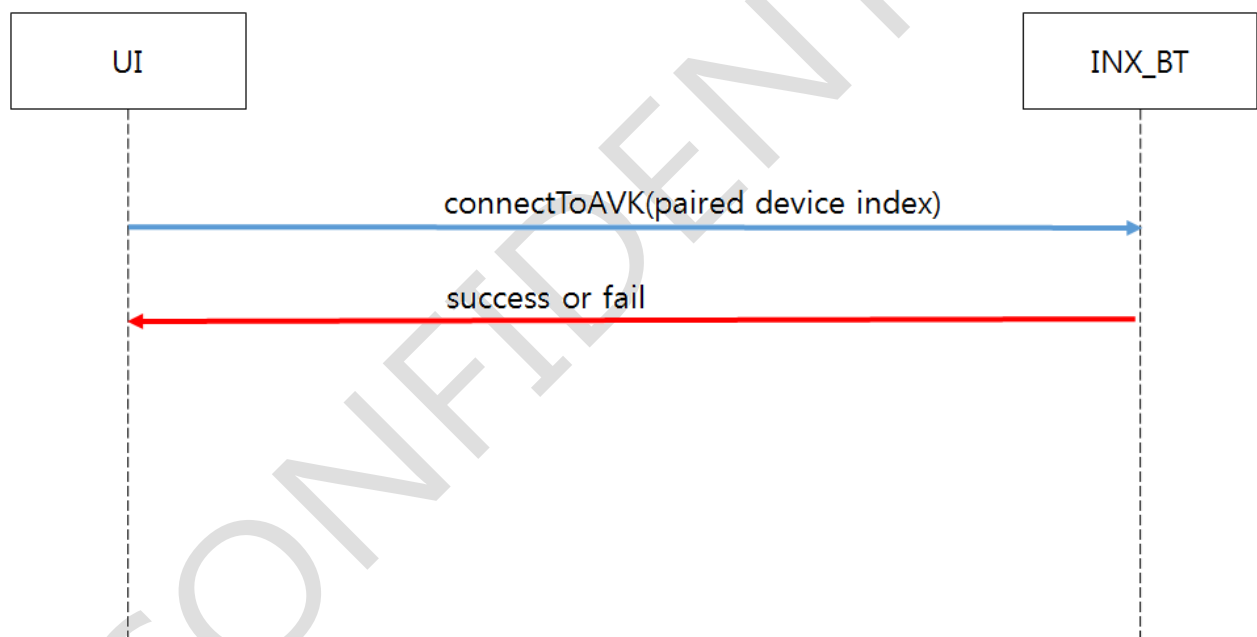
2.1.13 Stop discovery**2.1.14 Get discovered device list****2.1.15 Bond discovered device**

2.1.16 Cancel the bonding of the device being bonded

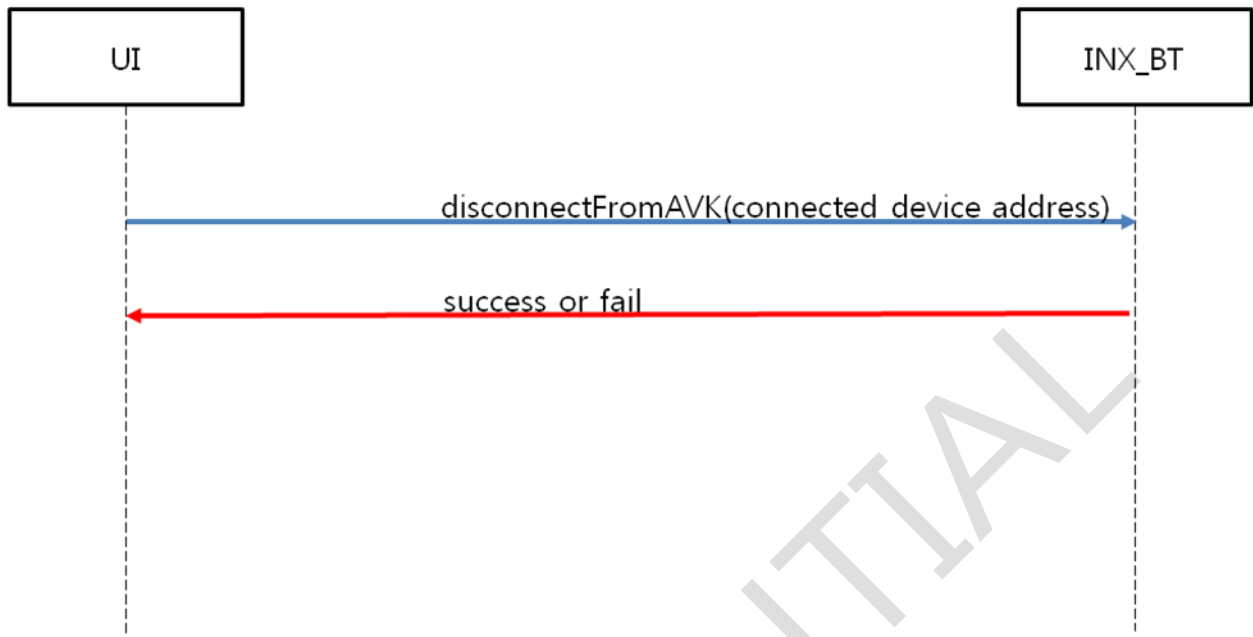


2.2 AVK functions (A2DP, AVRCP)

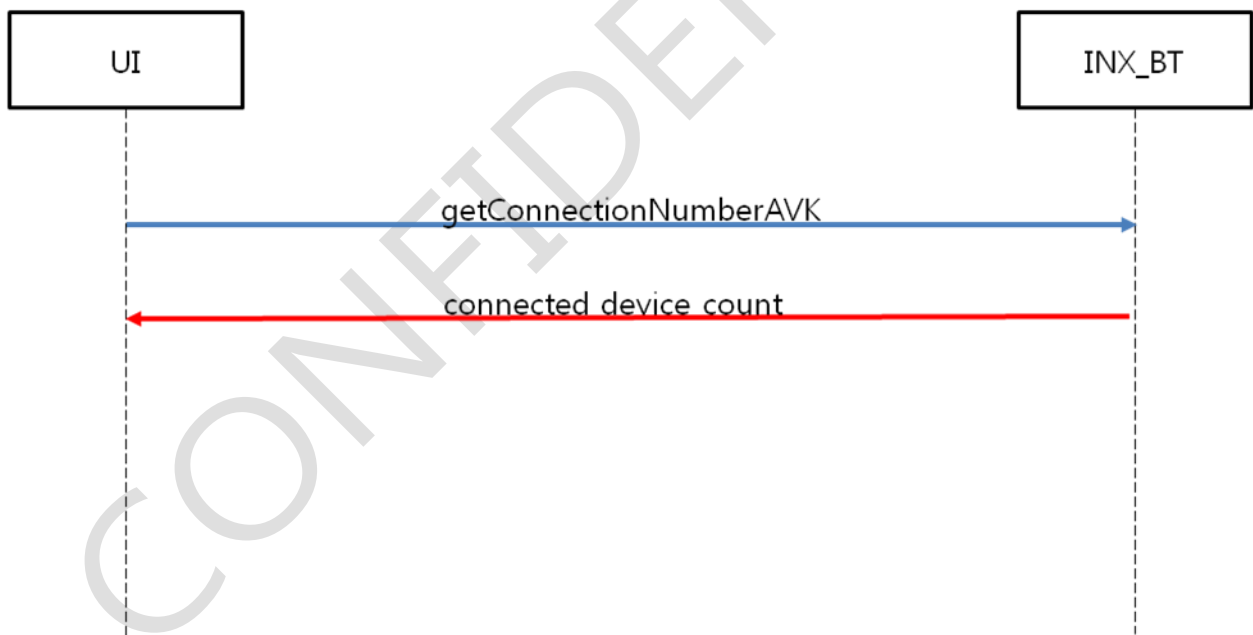
2.2.1 AVK connection

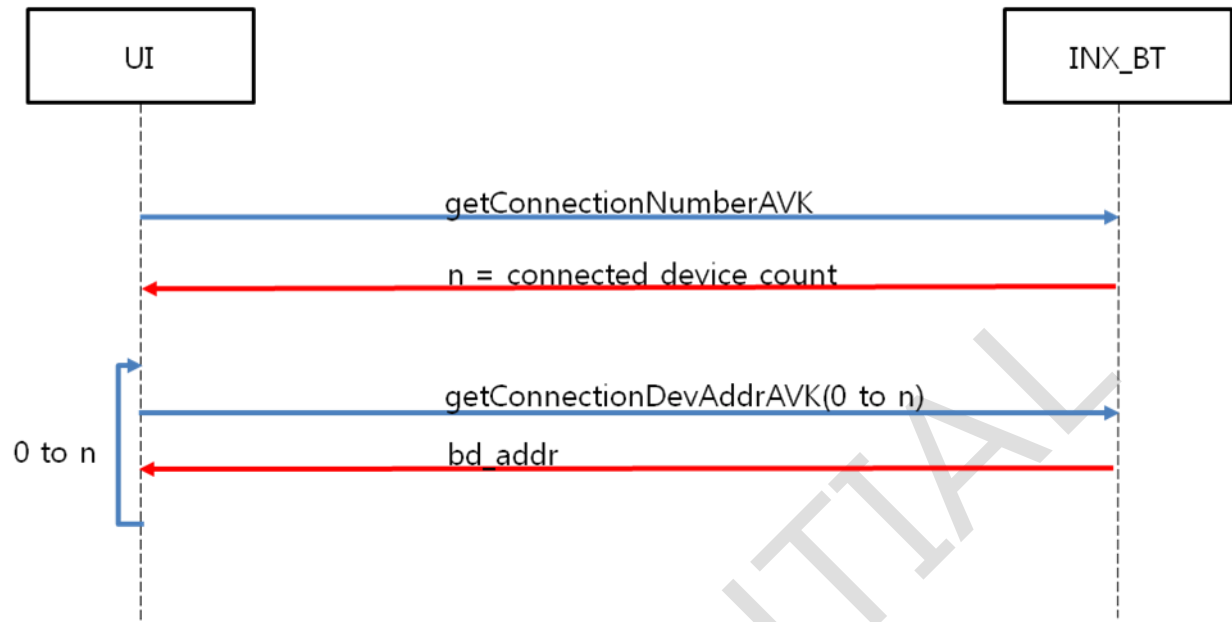
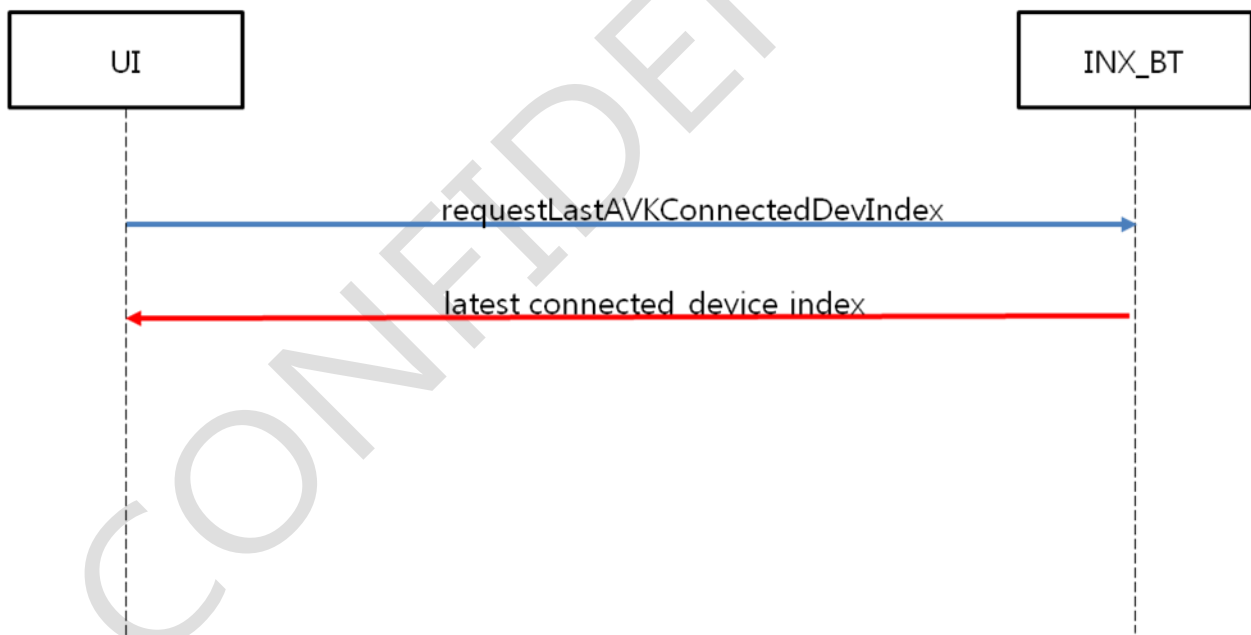


2.2.2 AVK disconnection

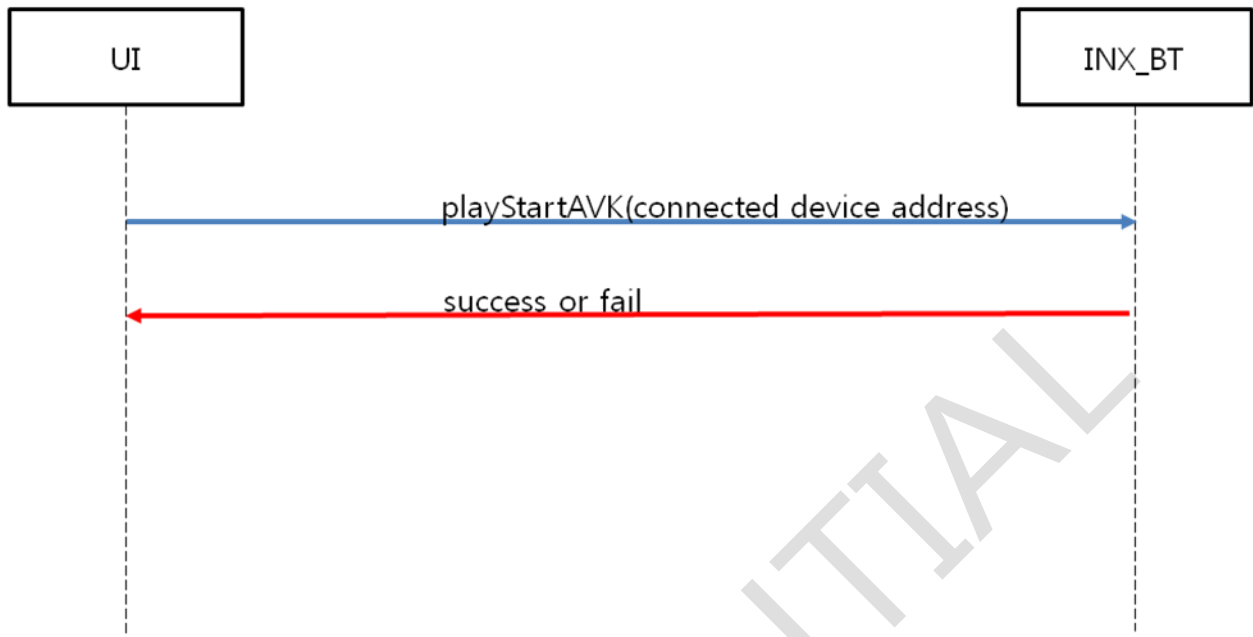


2.2.3 Get number of the AVK connections

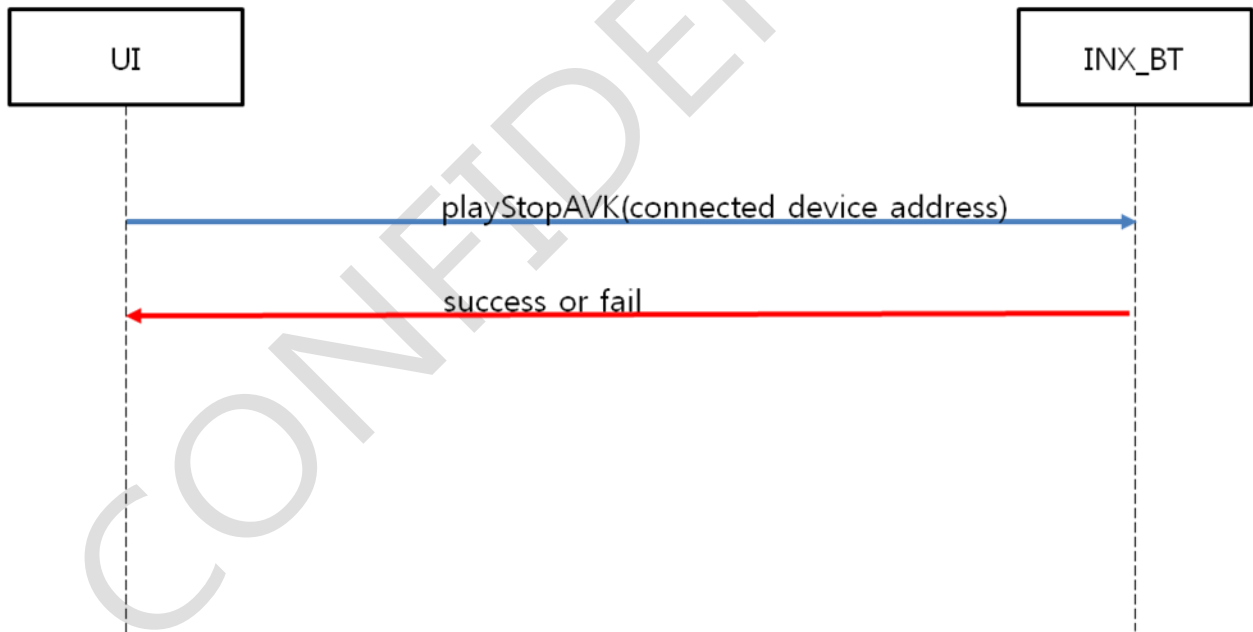


2.2.4 Get AVK connected device address**2.2.5 Get AVK latest connected device index**

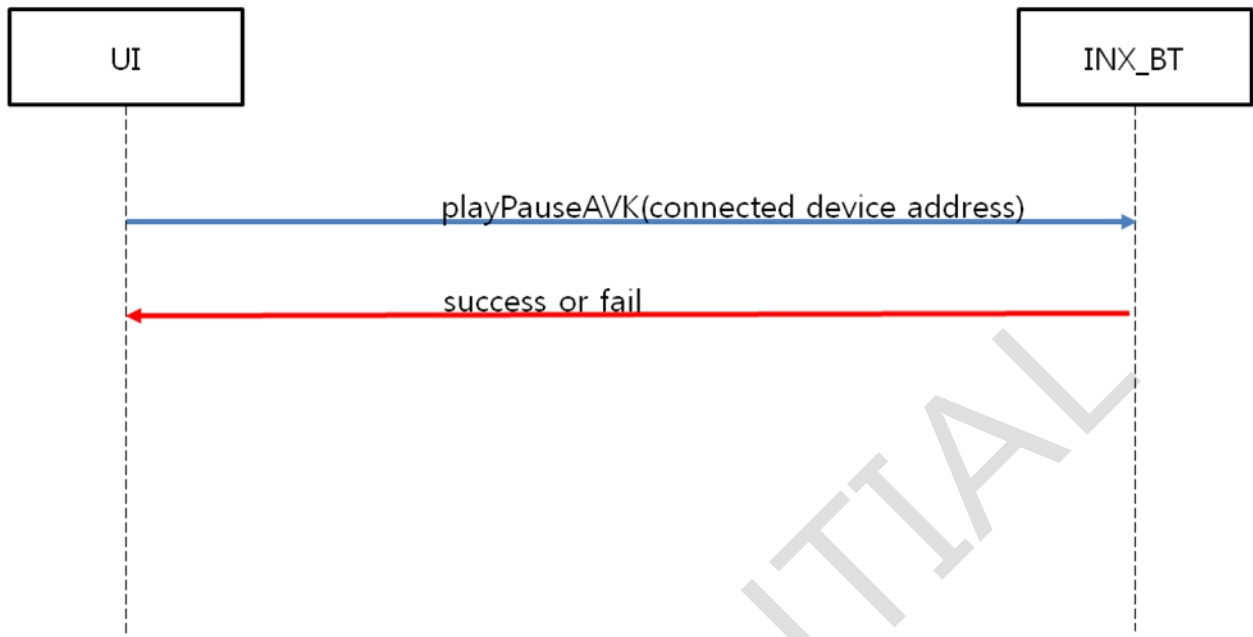
2.2.6 Play start



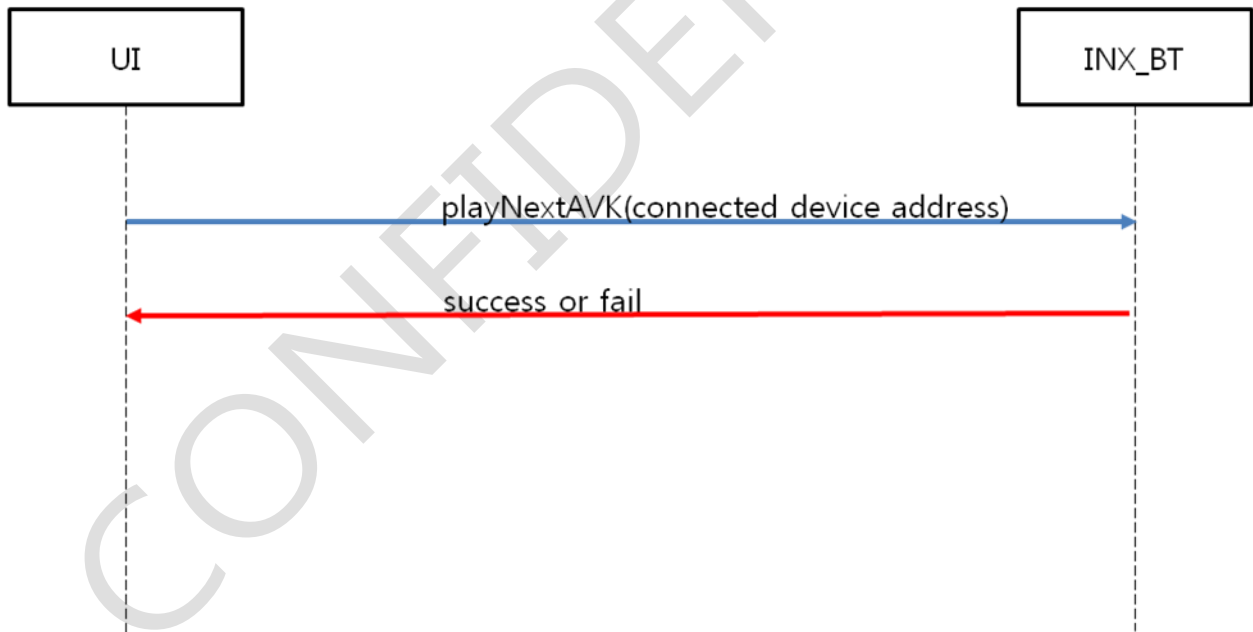
2.2.7 Play stop



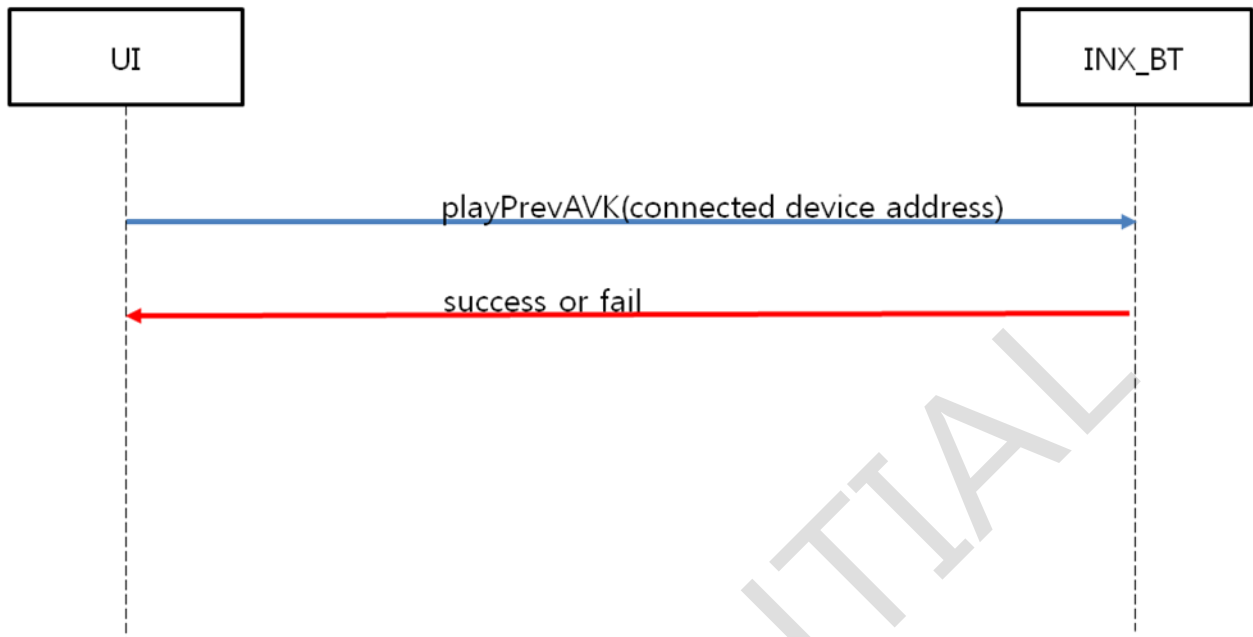
2.2.8 Play pause



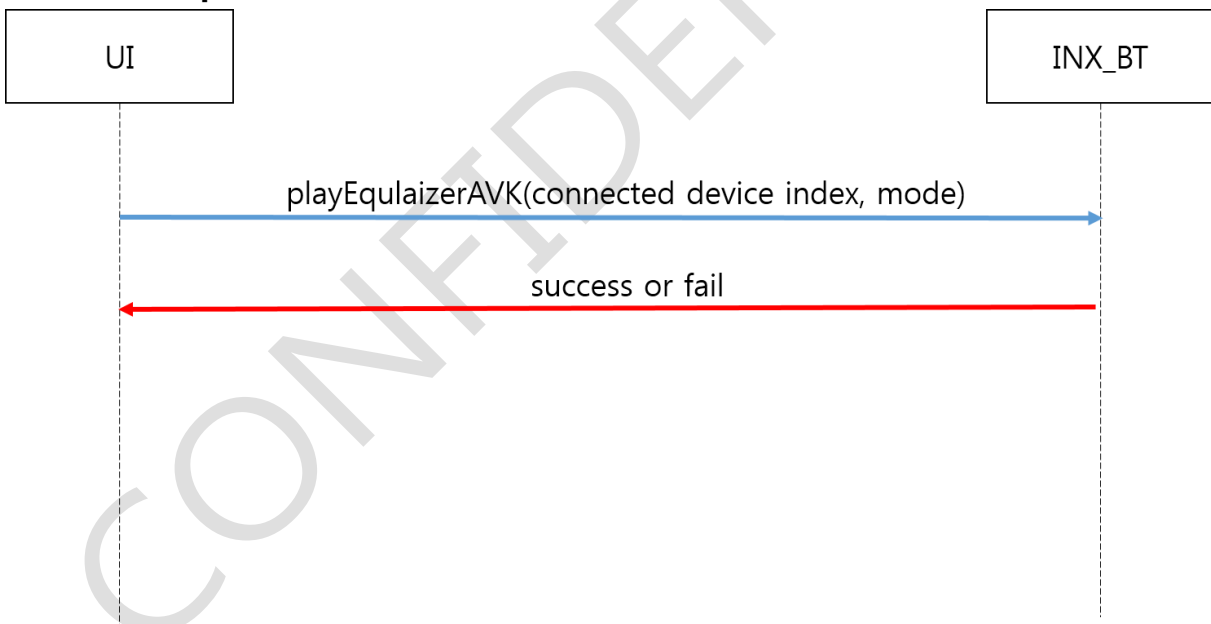
2.2.9 Play next



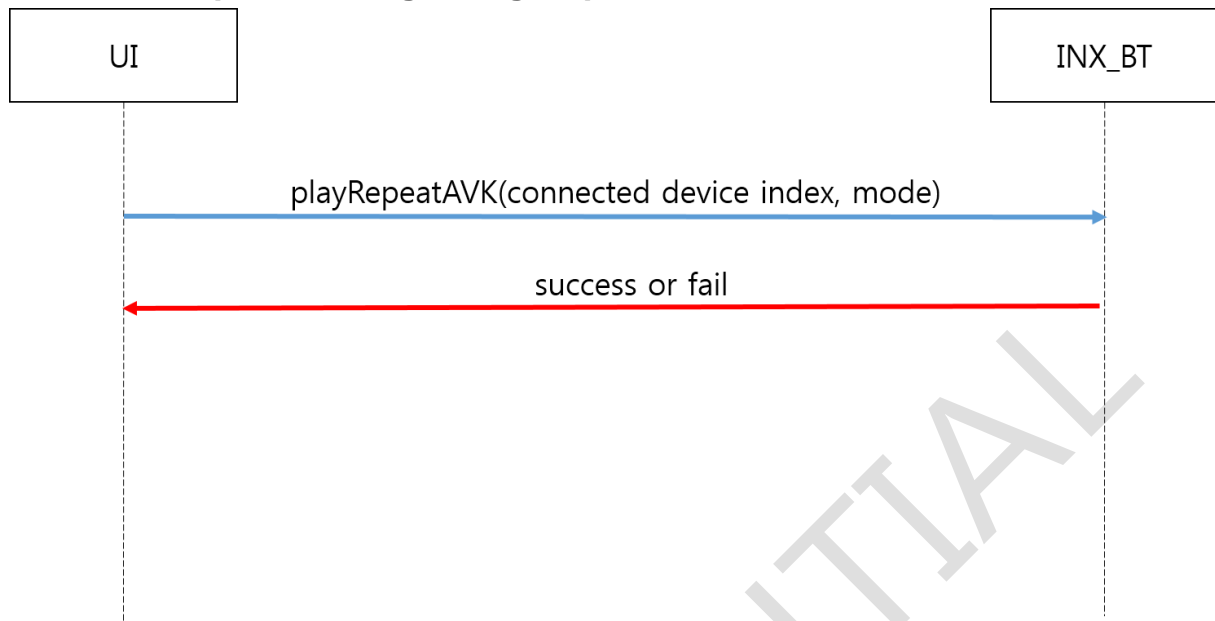
2.2.10 Play prev



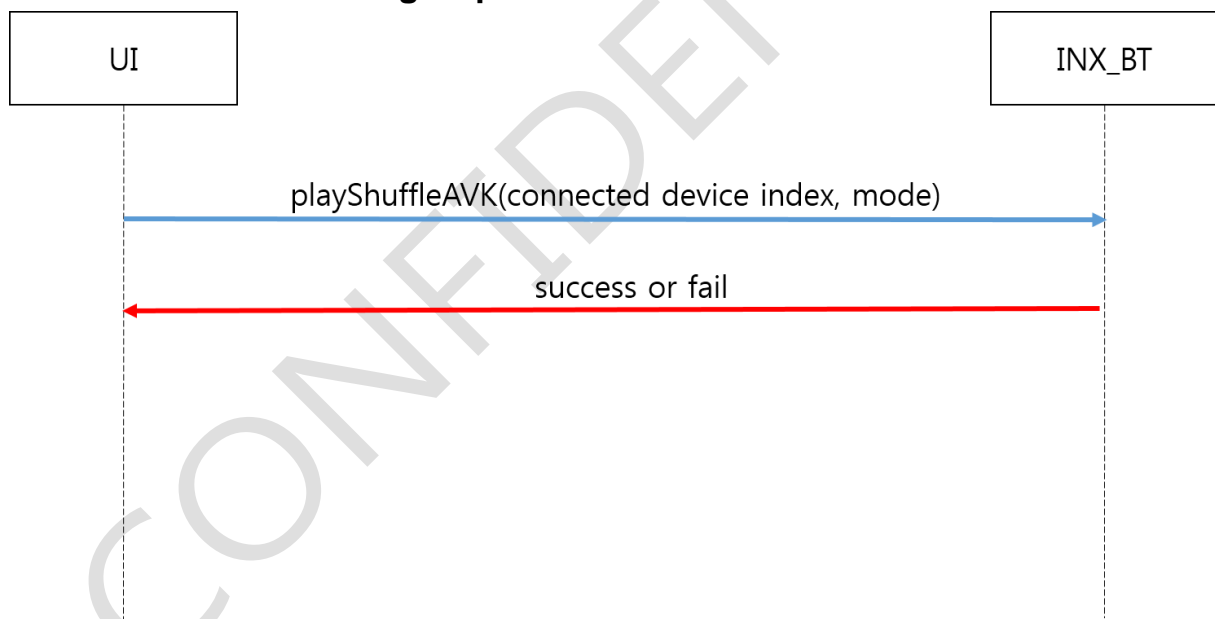
2.2.11 Equalizer off/on

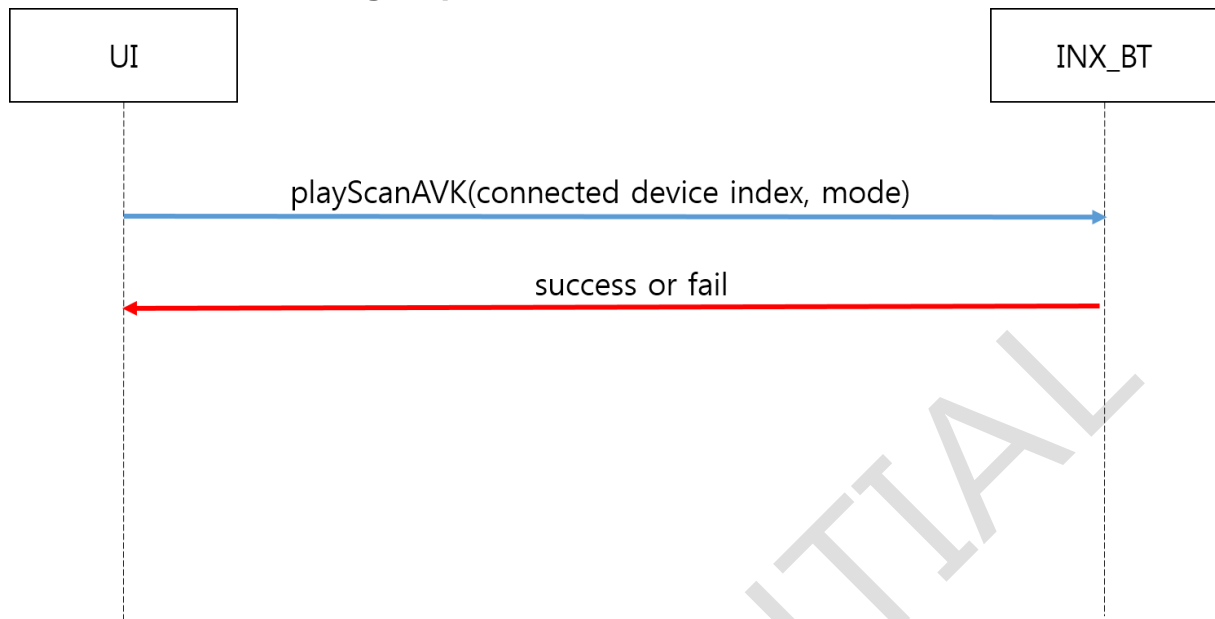
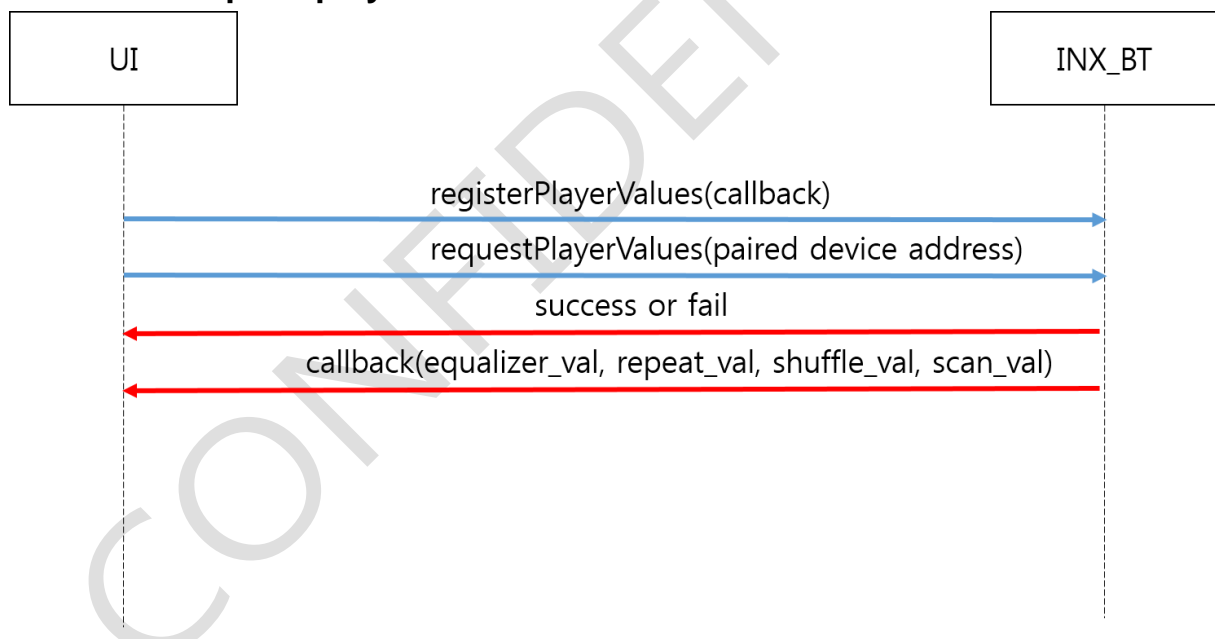


2.2.12 Repeat off/single/all/group

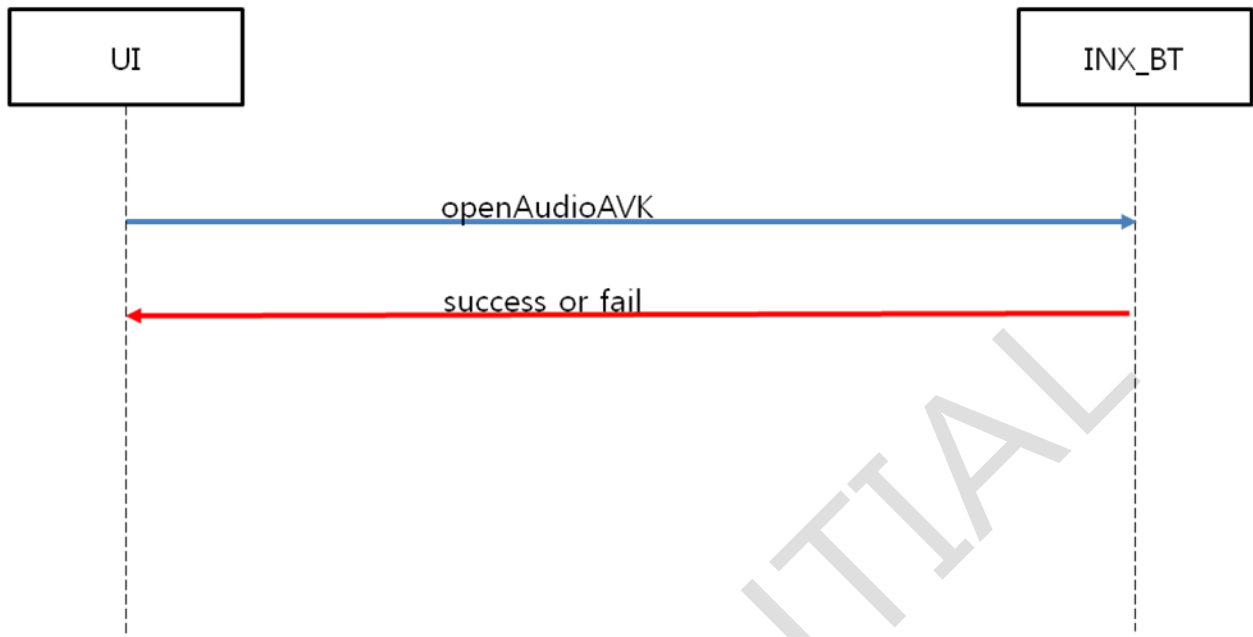


2.2.13 Shuffle off/all/group

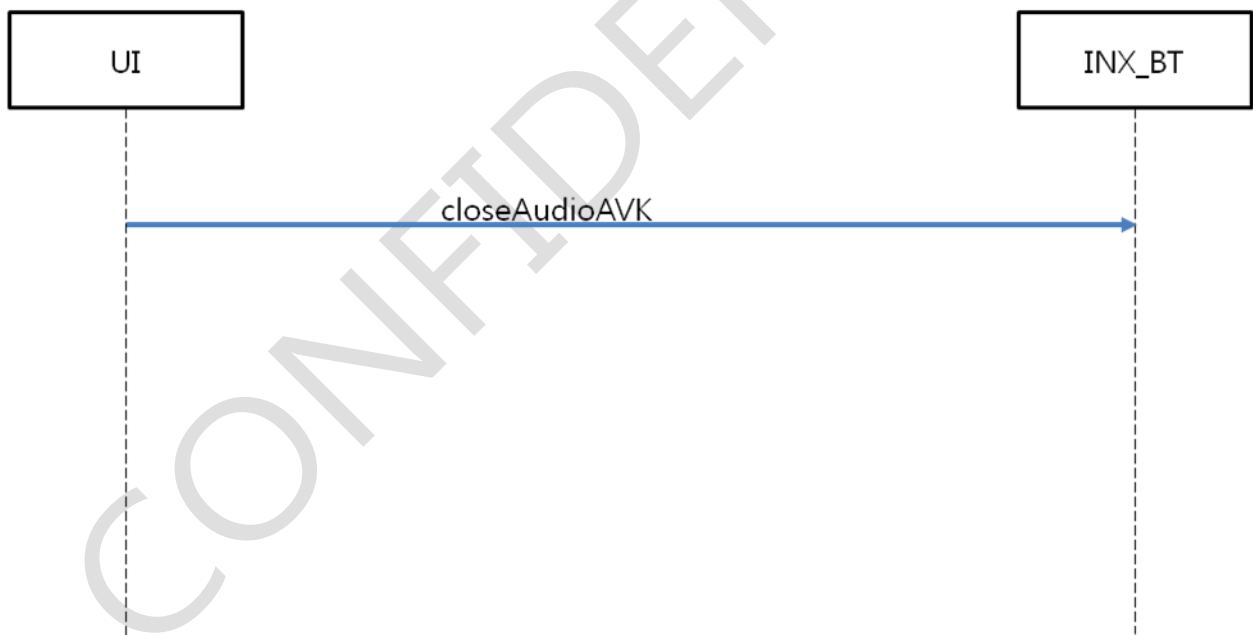


2.2.14 Scan off/all/group**2.2.15 Request player values**

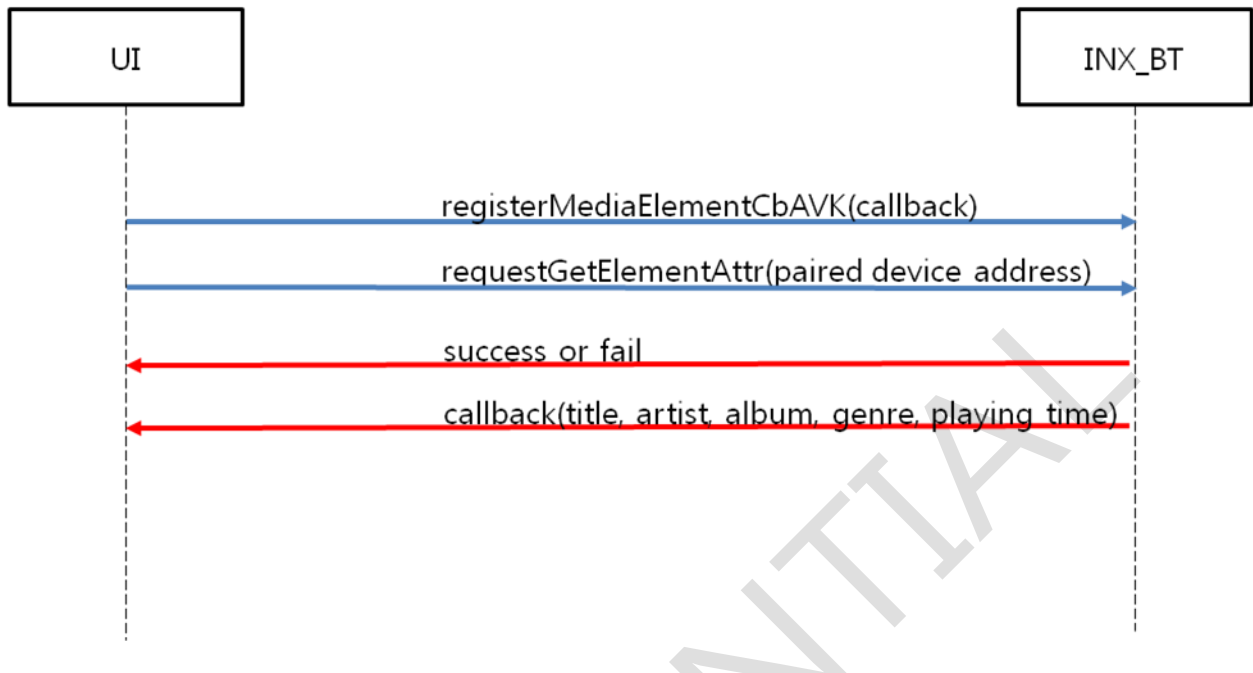
2.2.16 Open AVK audio



2.2.17 Close AVK audio

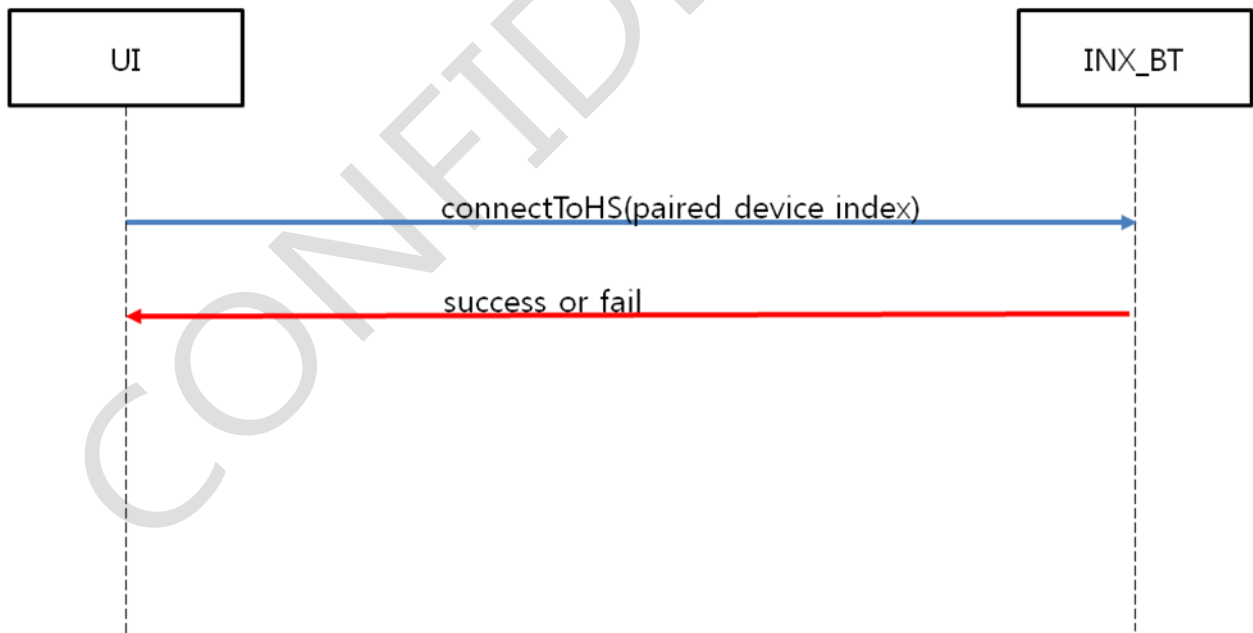


2.2.18 Get media elements

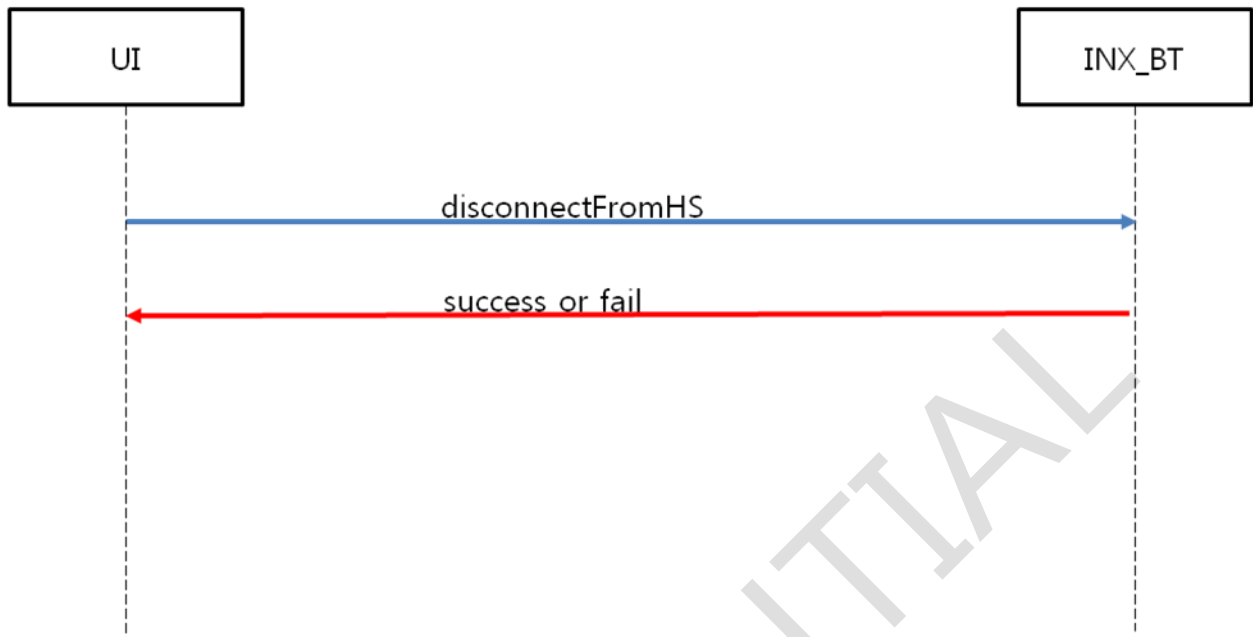


2.3 HS functions (HFP)

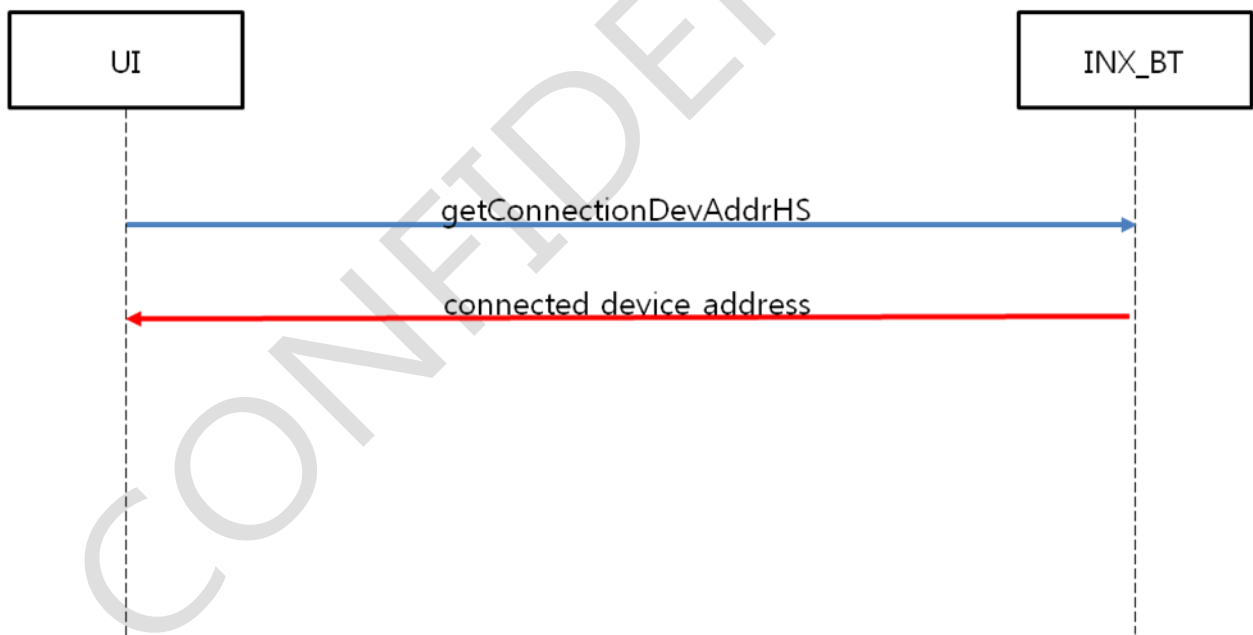
2.3.1 HS connection



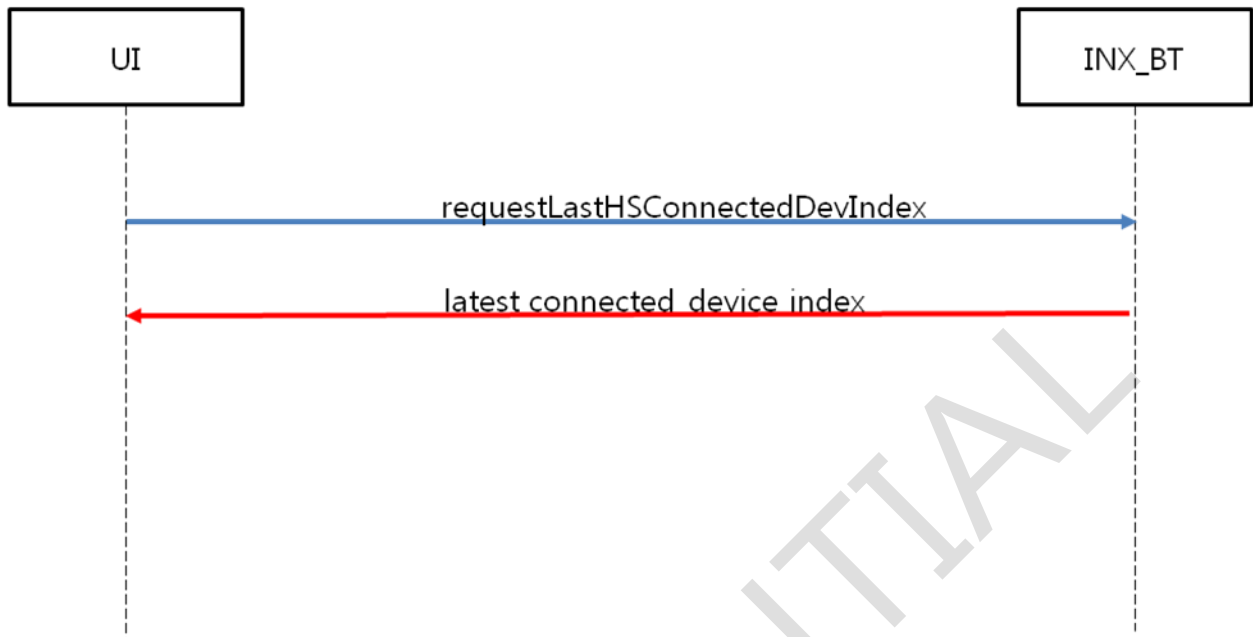
2.3.2 HS disconnection



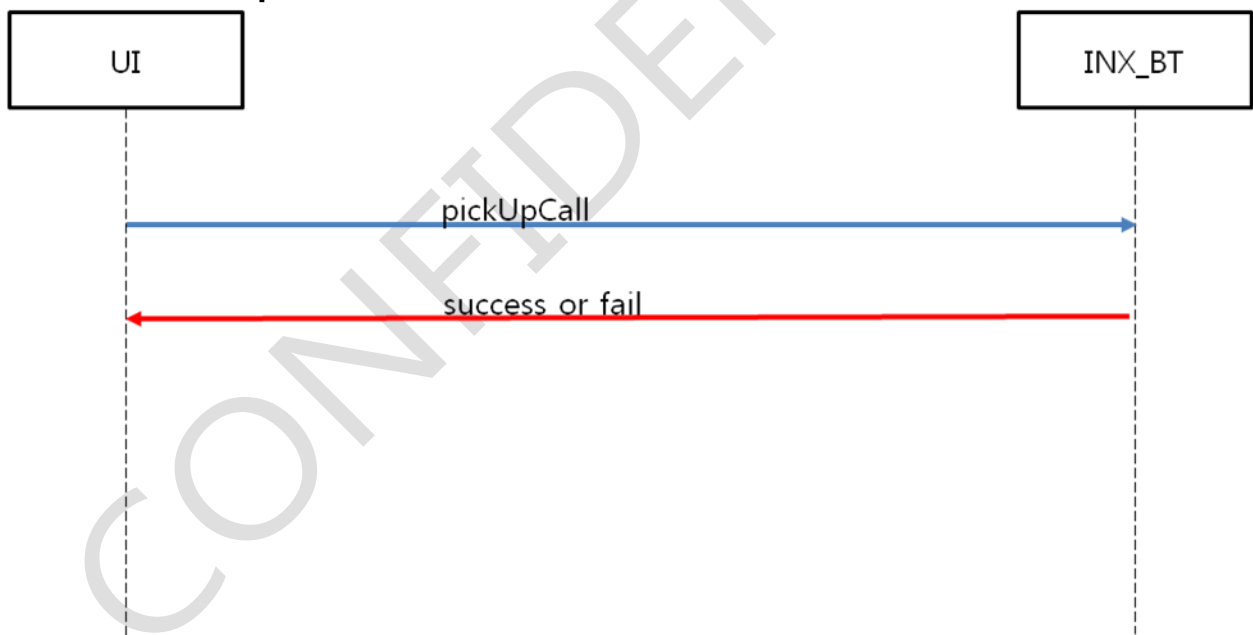
2.3.3 Get HS connected device address



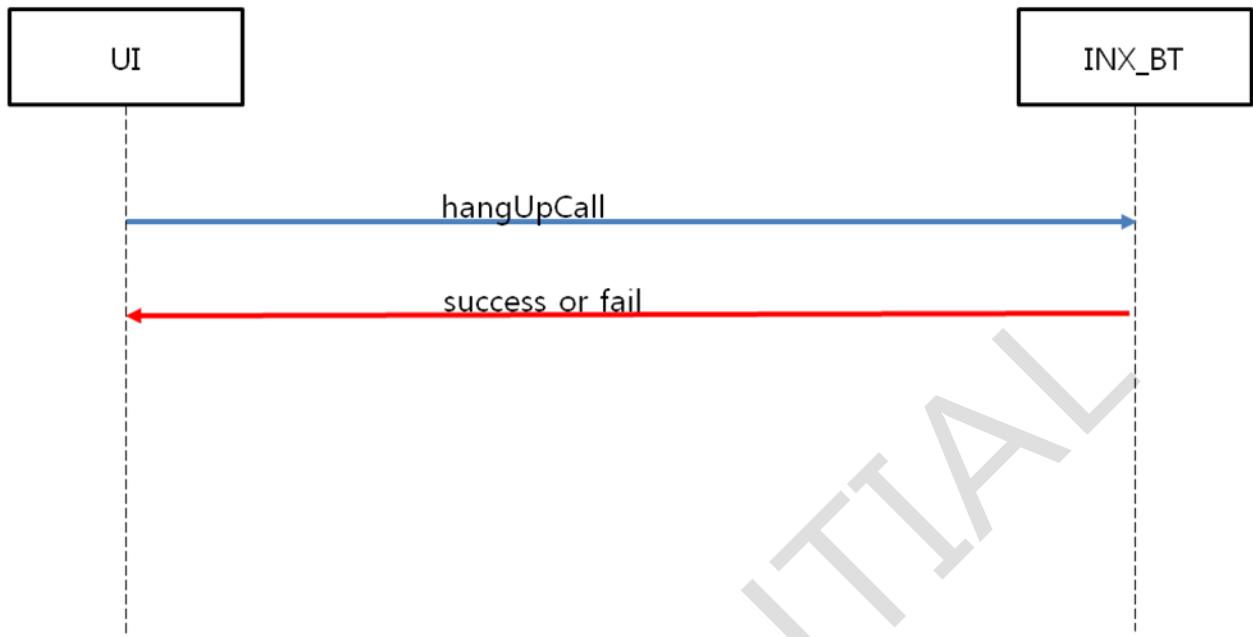
2.3.4 Get HS latest connected device index



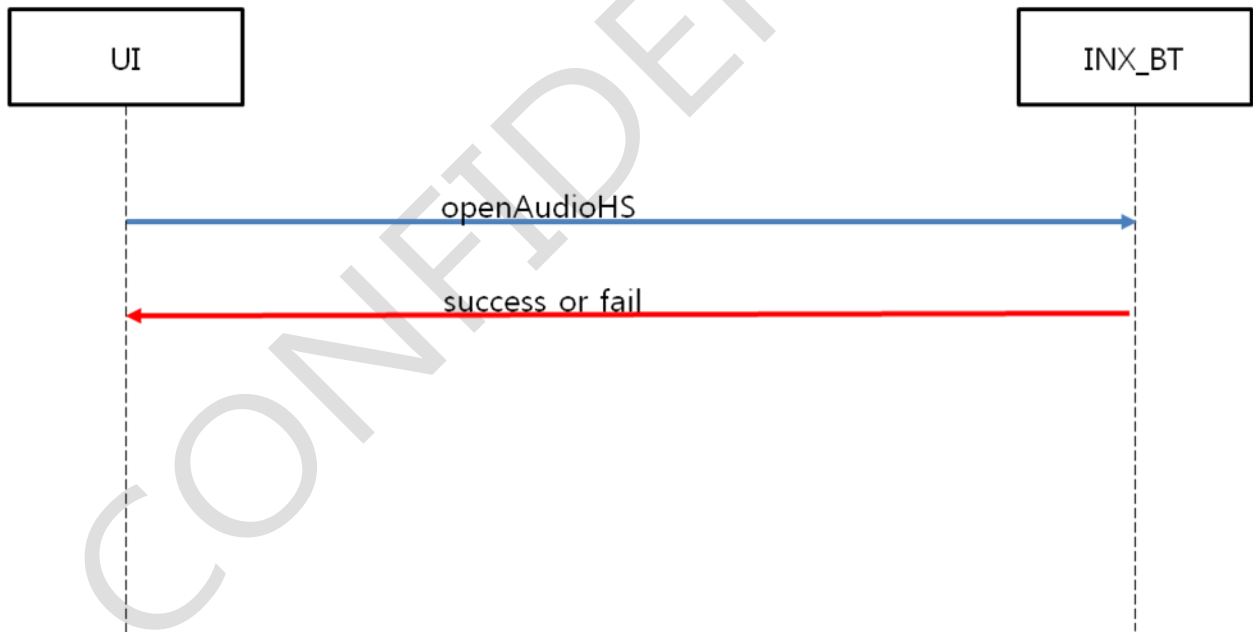
2.3.5 Pickup the call



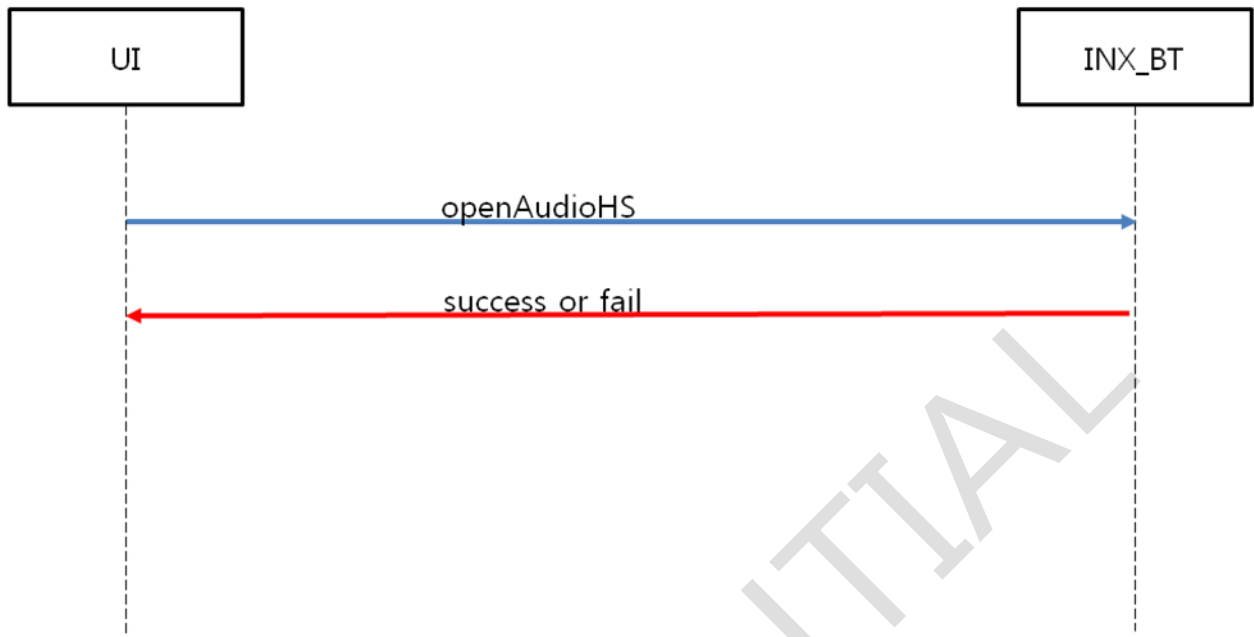
2.3.6 Hangup the call



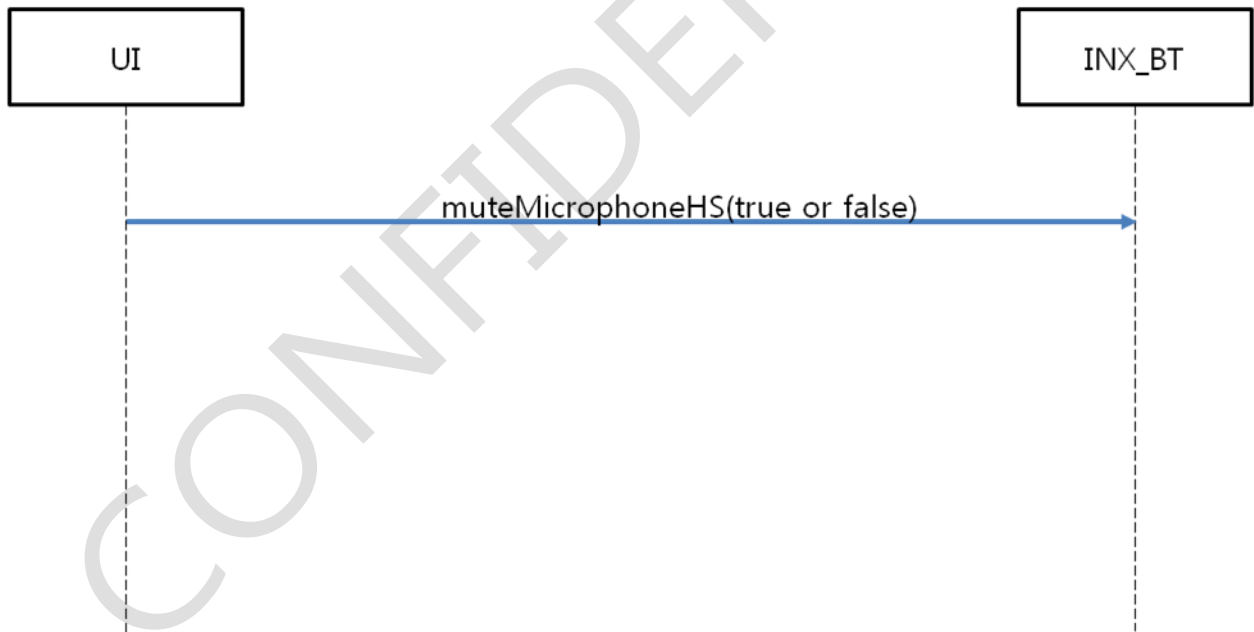
2.3.7 Open HS audio



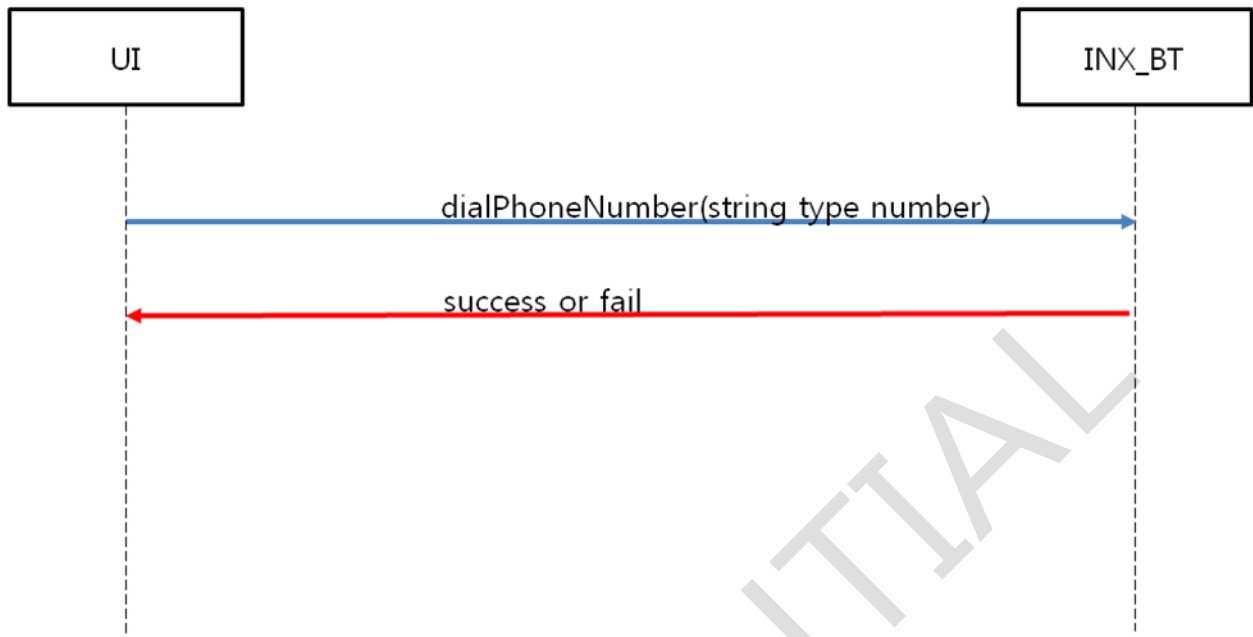
2.3.8 Close HS audio



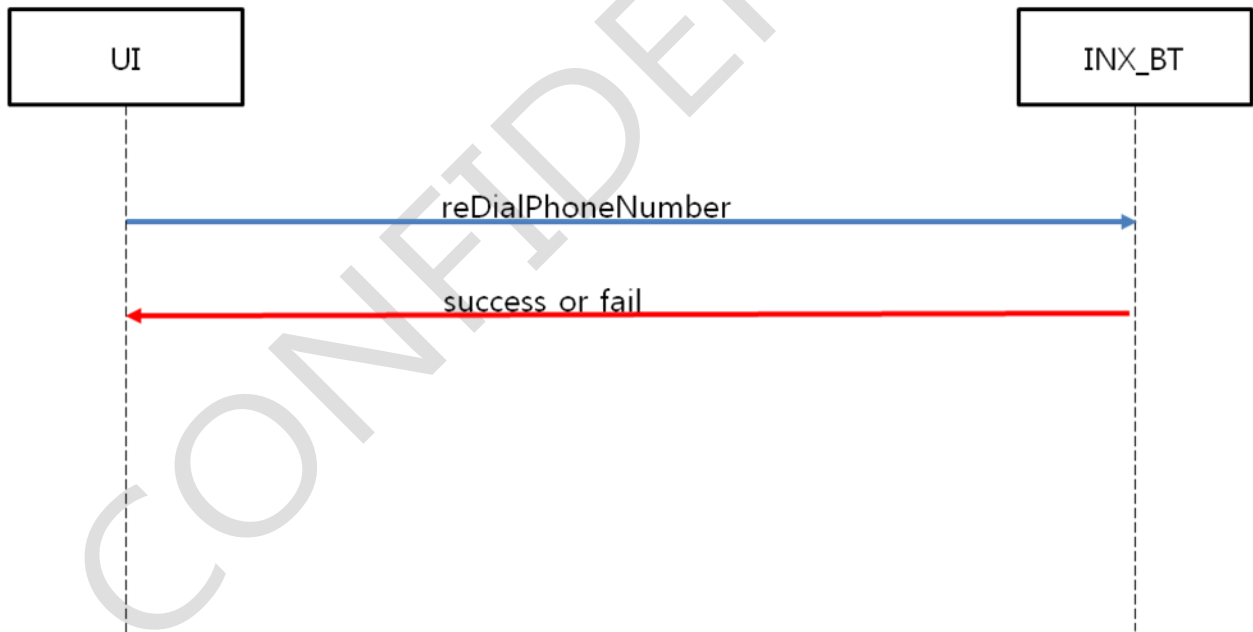
2.3.9 Mute/Unmute microphone

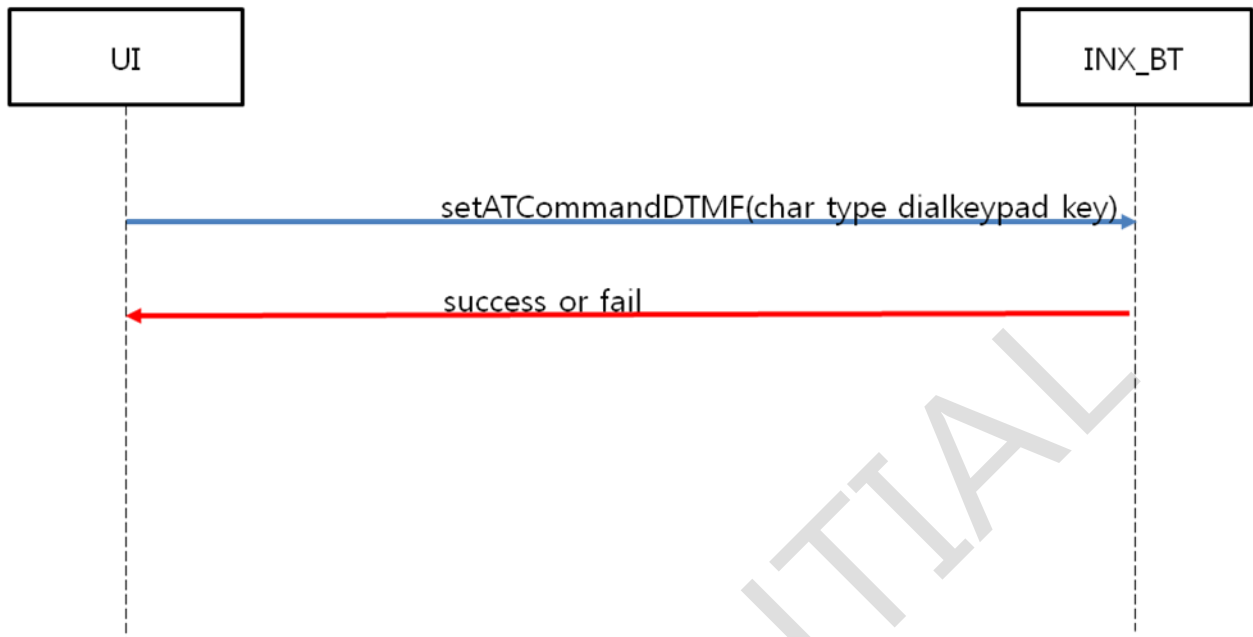
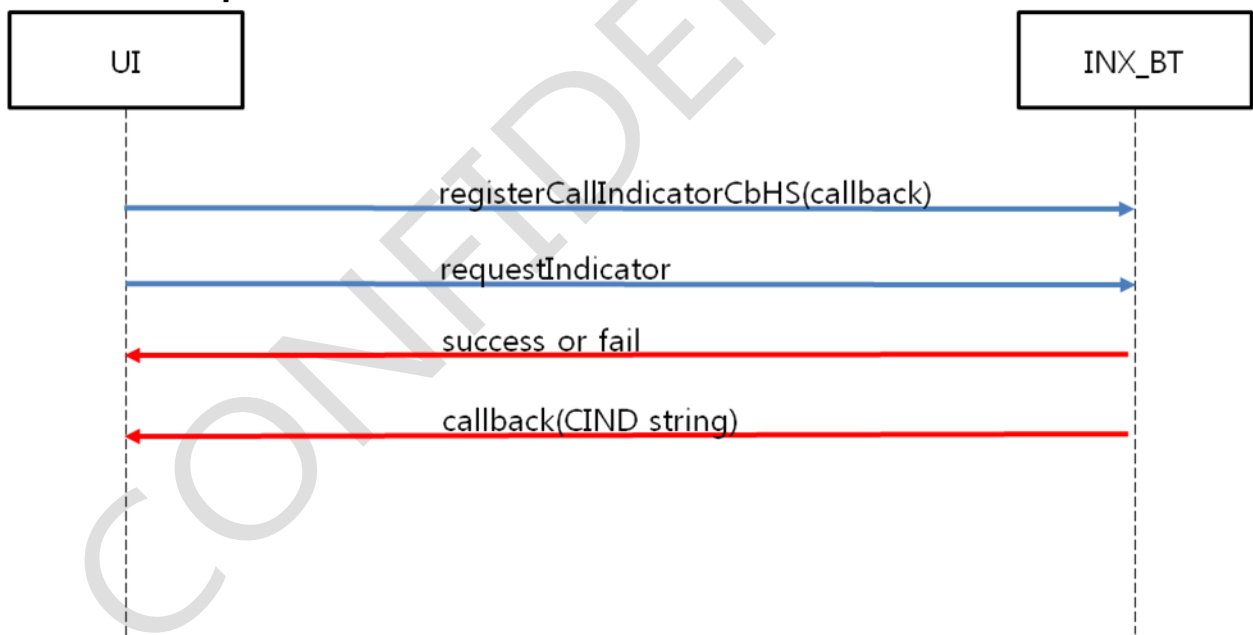


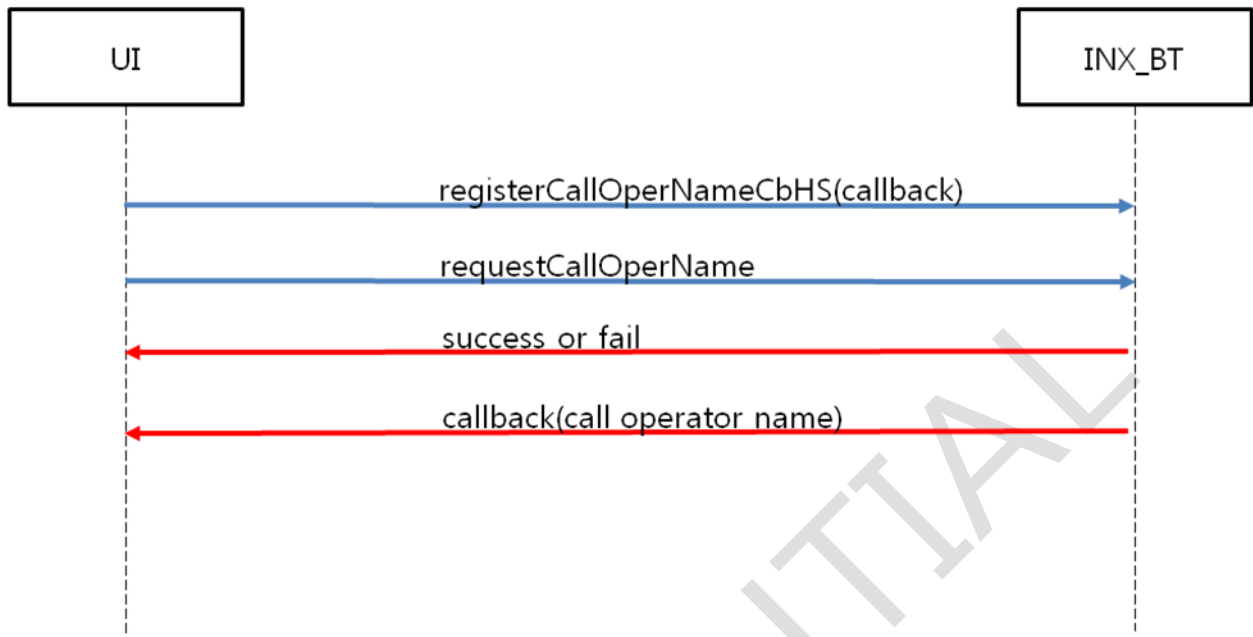
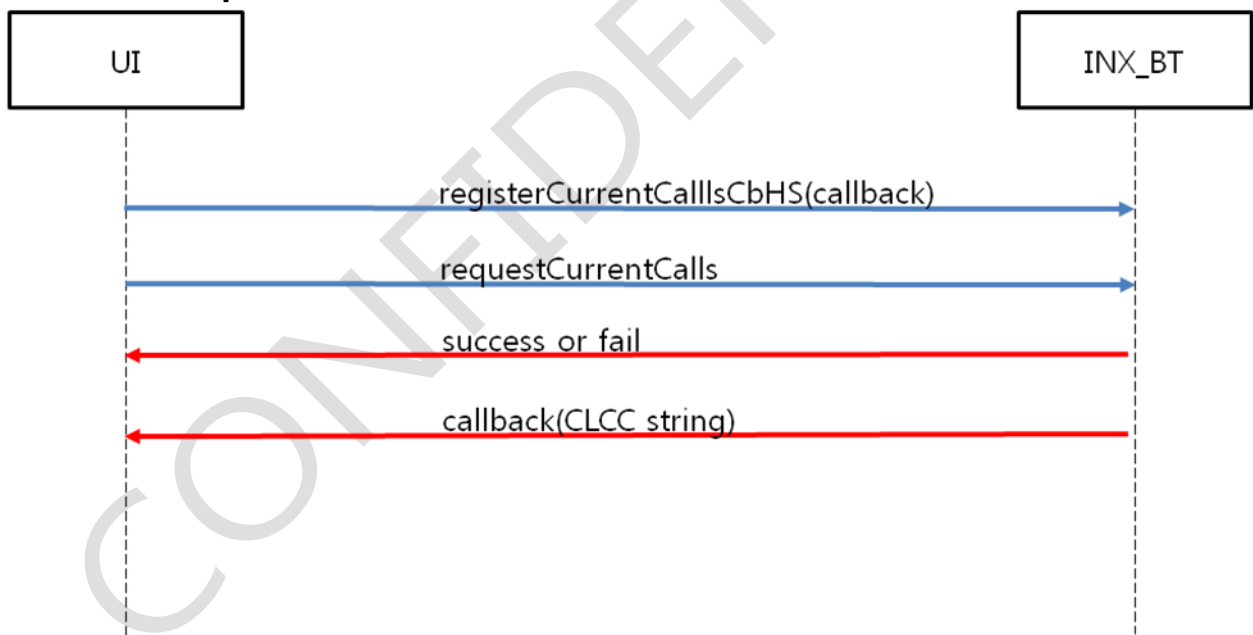
2.3.10 Dial a phone number

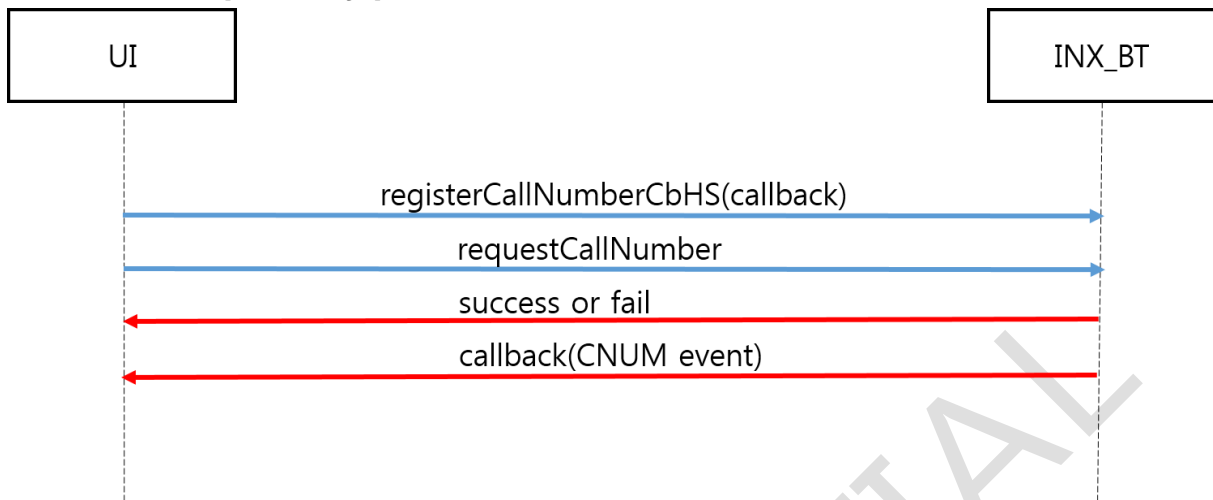
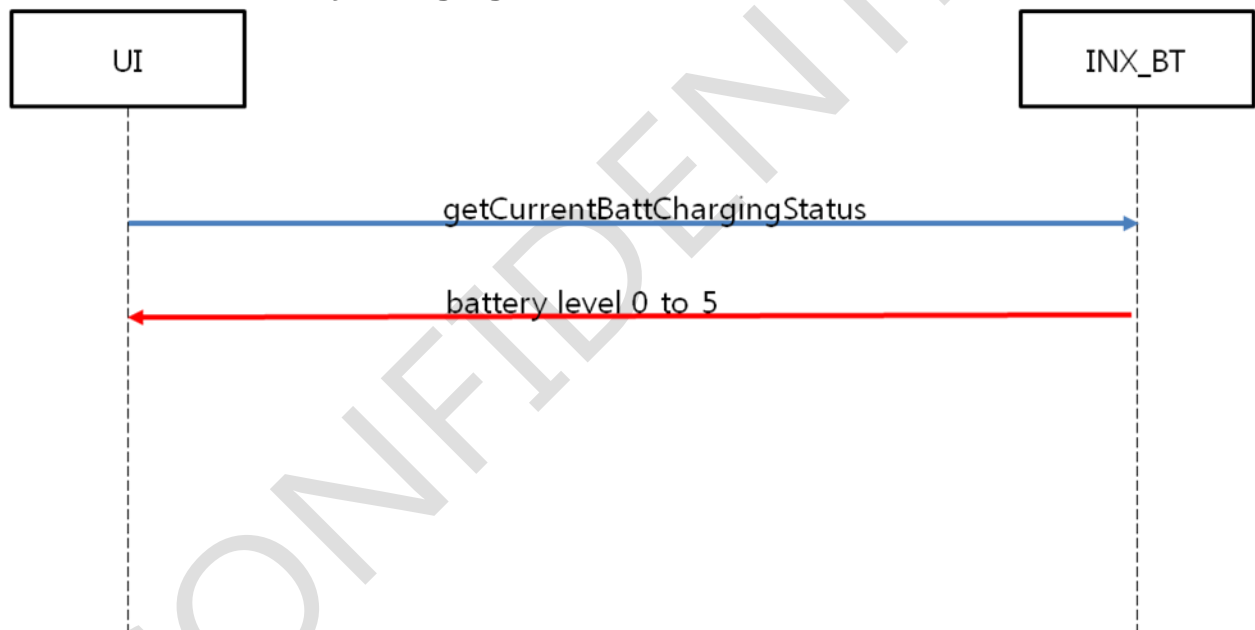


2.3.11 Redial a phone number

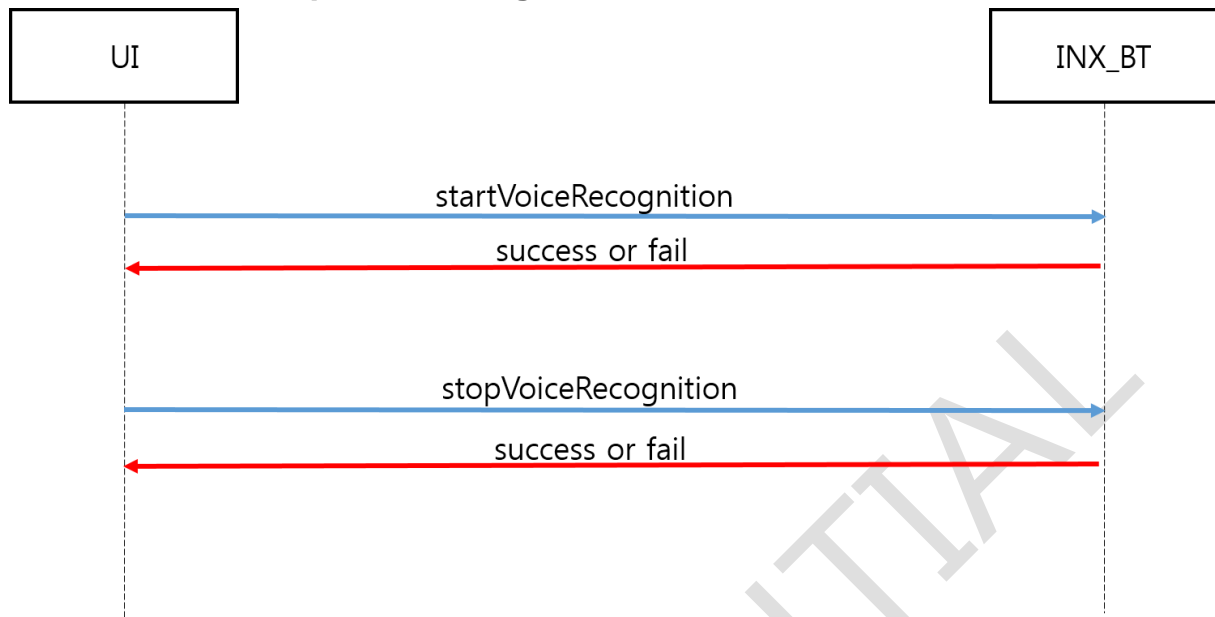


2.3.12 Send DTMF AT command**2.3.13 Request call indicator**

2.3.14 Request call operator name**2.3.15 Request current calls**

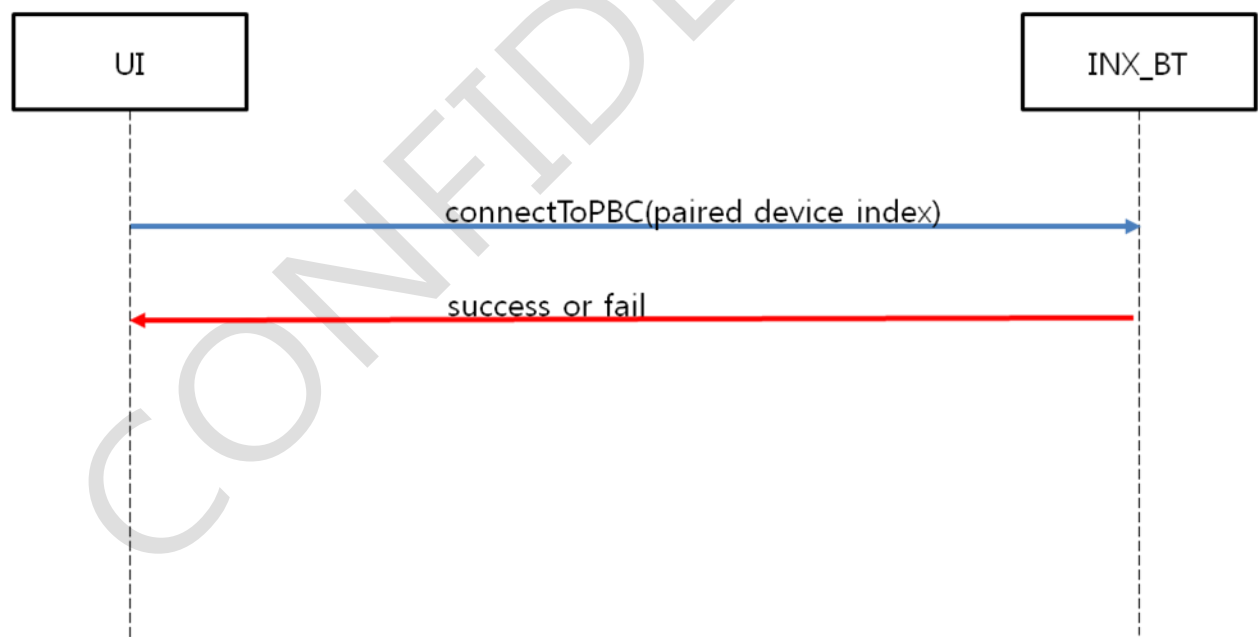
2.3.16 Request my phone call number**2.3.17 Get battery charging status value**

2.3.18 Start/stop voice recognition

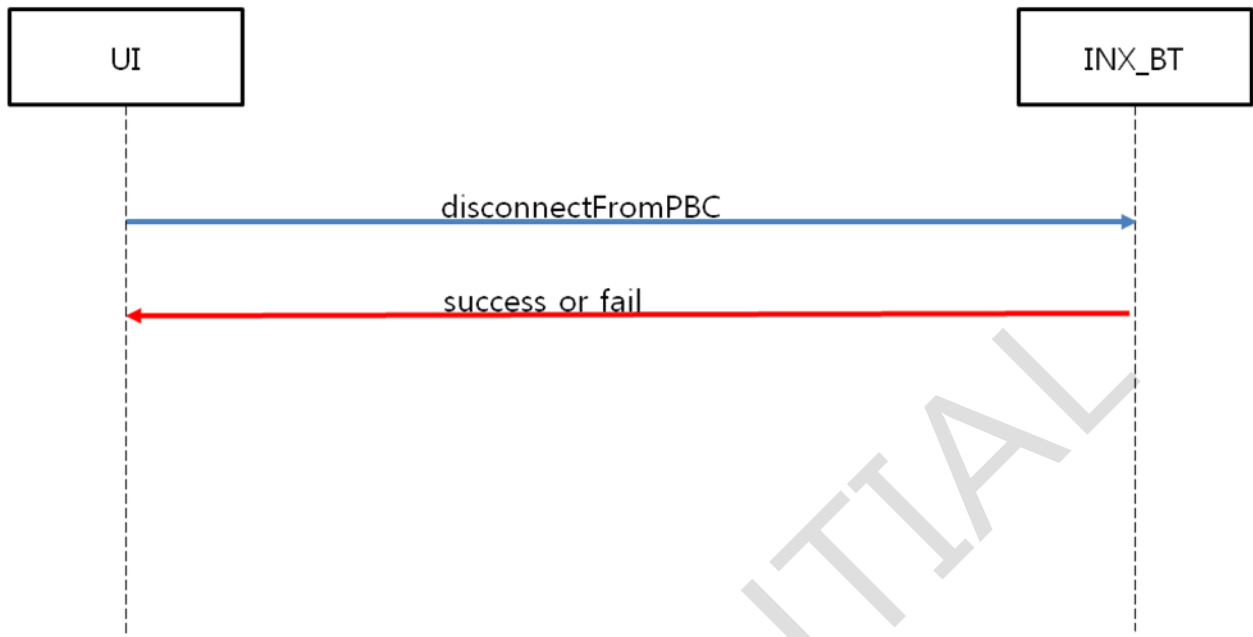


2.4 PBC functions (PBAP)

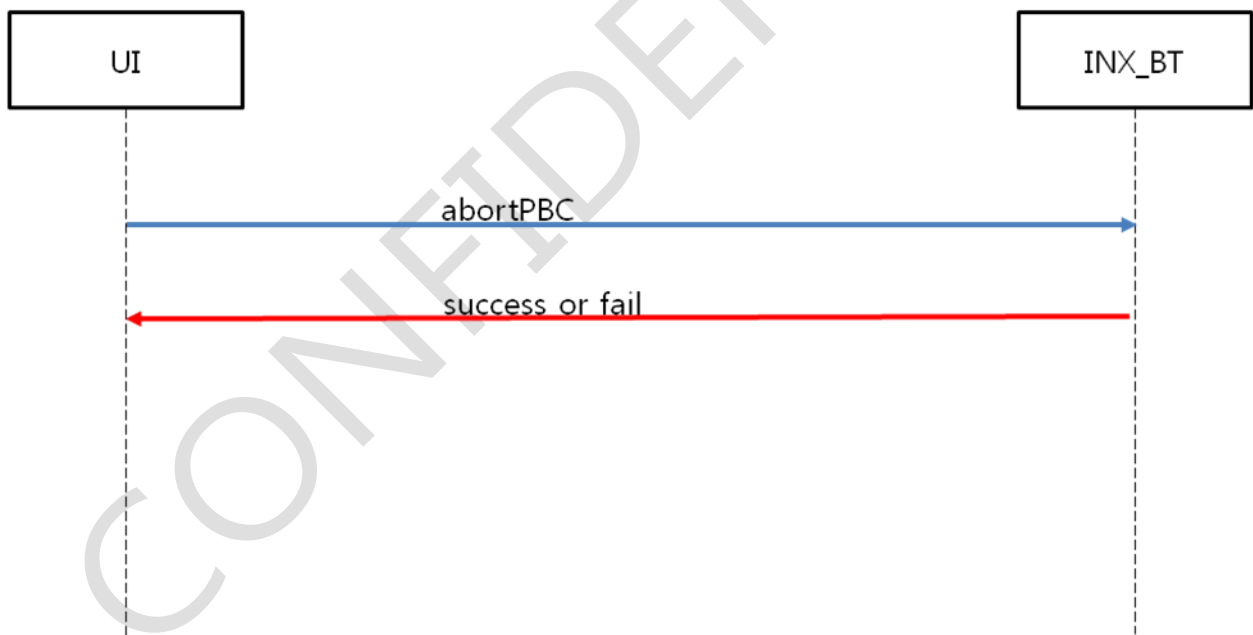
2.4.1 PBC connection



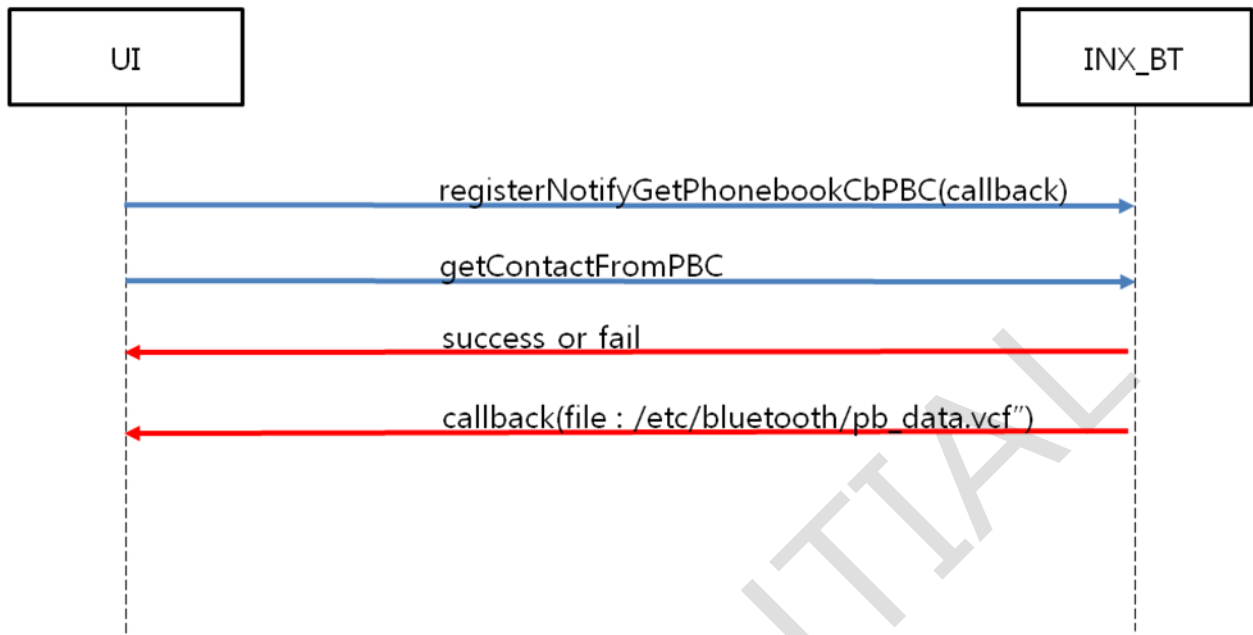
2.4.2 PBC disconnection



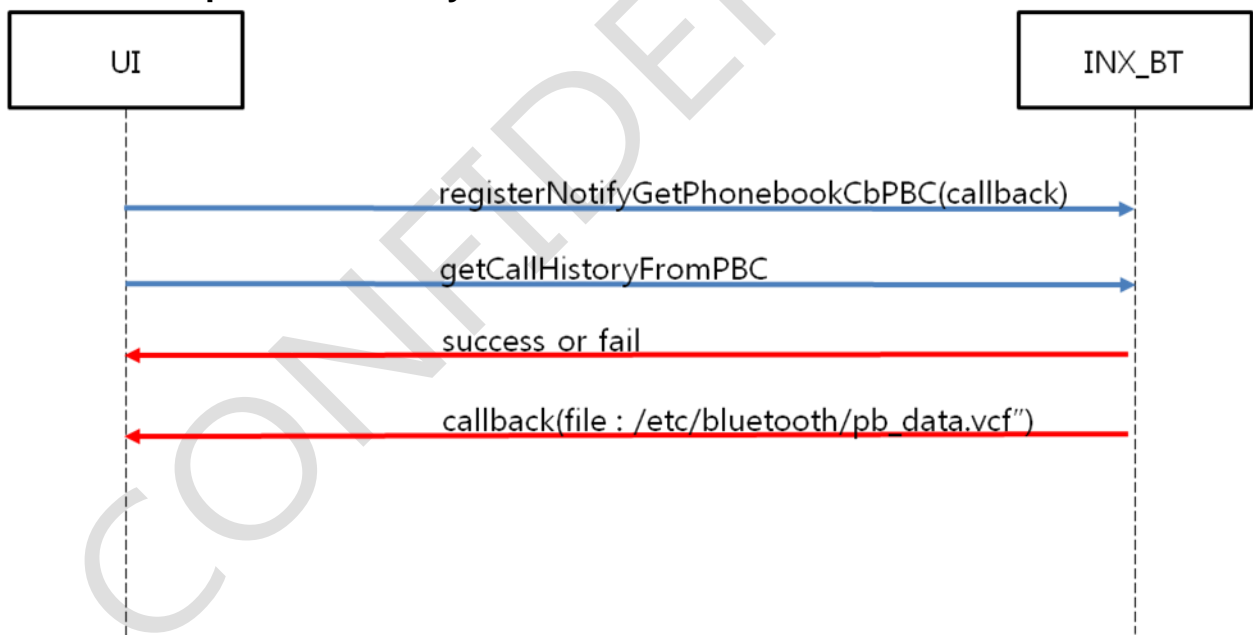
2.4.3 Abort PBC



2.4.4 Import contacts

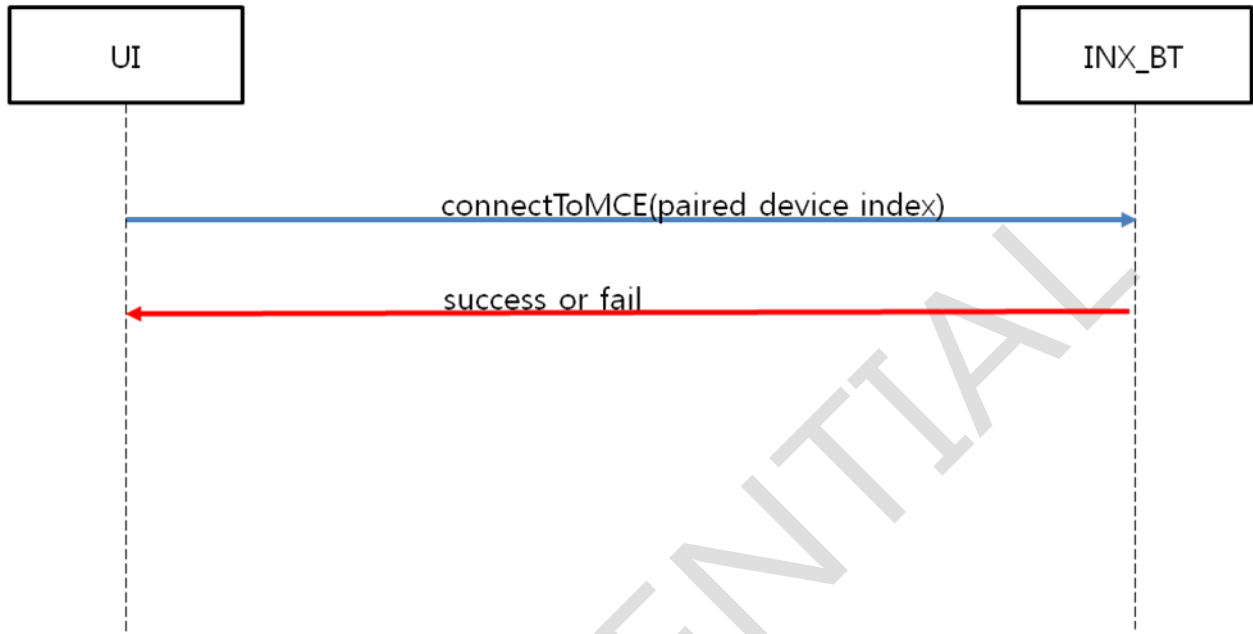


2.4.5 Import call history

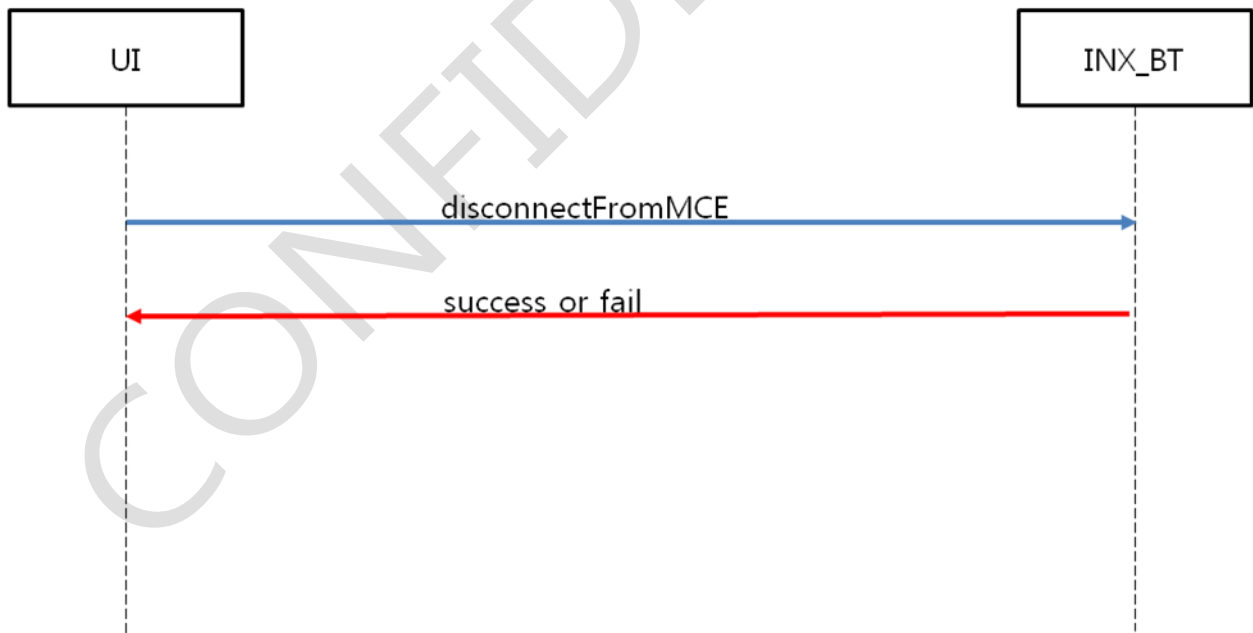


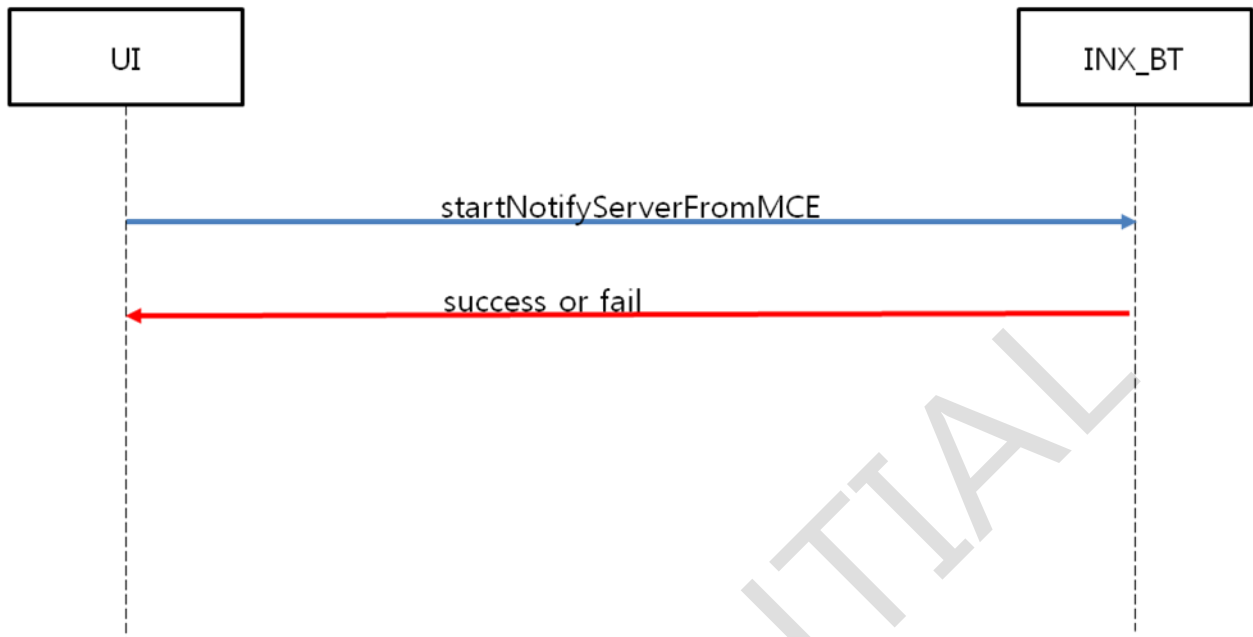
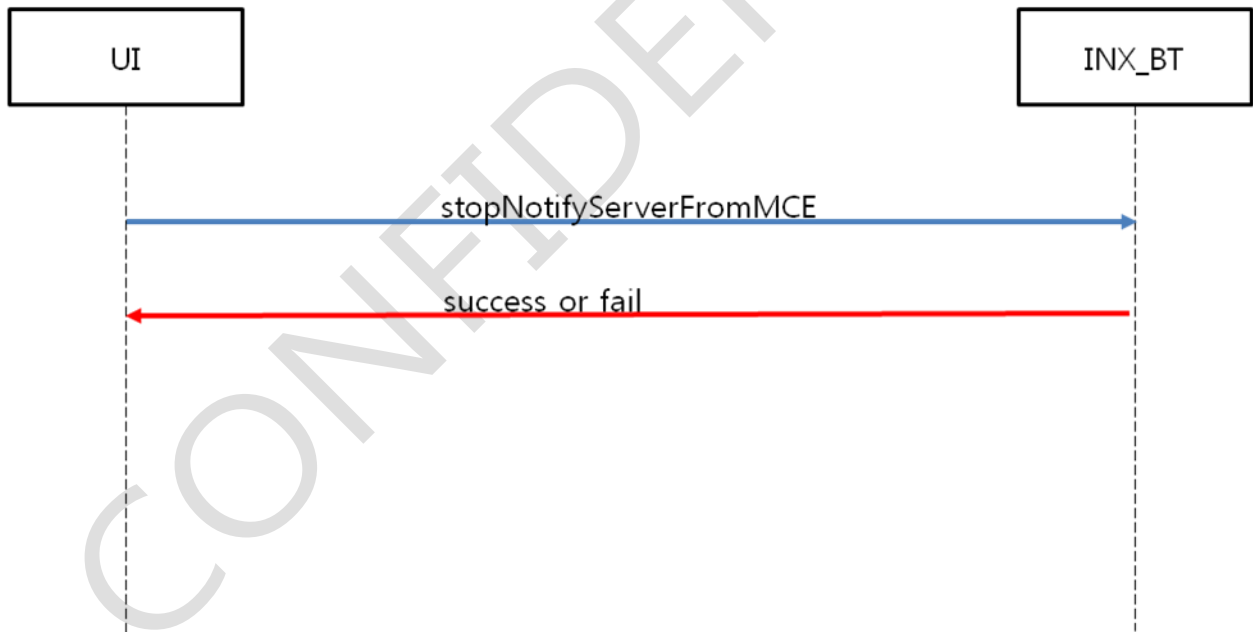
2.5 MCE functions (MAP)

2.5.1 MCE connection



2.5.2 MCE disconnection



2.5.3 Start MCE notification server**2.5.4 Stop MCE notification server**

2.5.5 Get message