Bluetooth User's Guide (Console Application)

Version 1.2.0

Display Audio

Solution Team

NEXELL

Release information

The following changes have been make to this document.

Change History

Date	Change
07 Dec 2017	First release for v1.0.0
14 Nov 2018	Second release for v1.1.0
18 Feb 2019	Third release for v1.2.0

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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 application to test the NXBT class APIs.

1.2.1 NxBTServiceConsole

```
NXBT version : v1.1.0
================================
NXBT profile service main menu :
[MGT]=========================
 0              => Get paired device list
 1              => Enable auto-connection mode
 2              => Disable auto-connection mode
 3              => Enable auto-pairing mode
 4              => Disable auto-pairing mode
 5              => Accept pairing
 6              => Reject pairing
 7              => Unpair BT device
 8              => Set discoverable
 9              => Clesr discoverable
[AVK]=========================
 10             => AVK connection
 11             => AVK disconnection
 12             => Get connection number
 13             => Get AVK connected remote BT address
 14             => Get latest AVK connected device
 15             => Start play
 16             => Stop play
 17             => Pause play
 18             => Next play
```

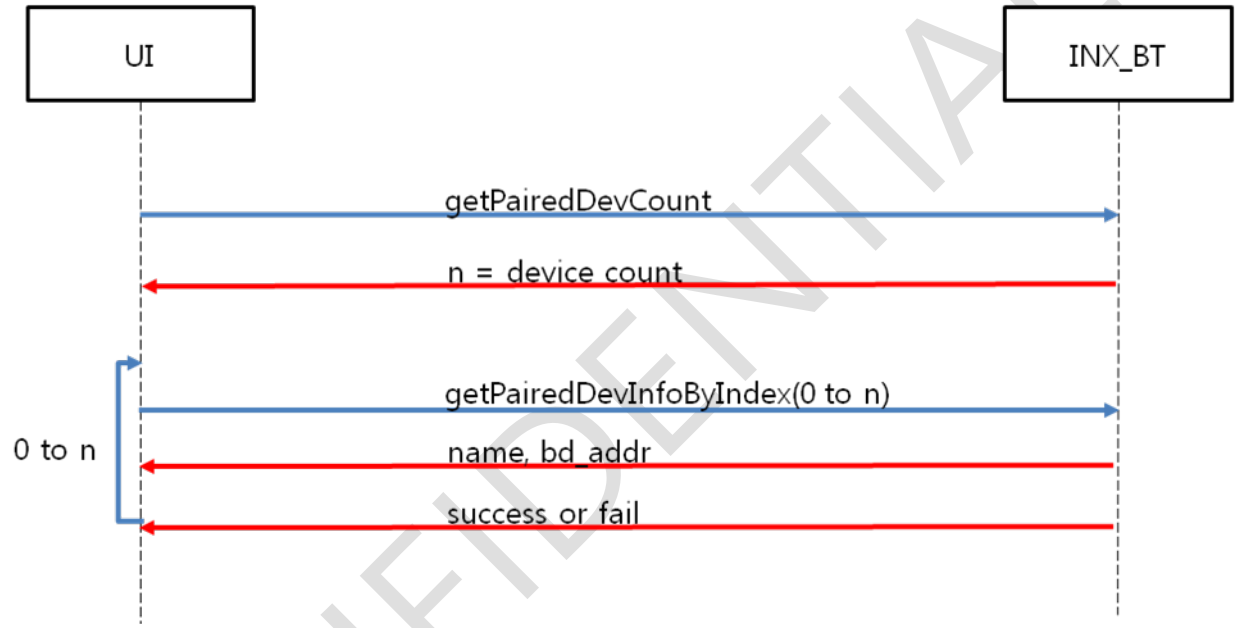
```
 19                 => Prev play
 20                 => Open ALSA
 21                 => Close ALSA
 22                 => Get media elements
[HS]============================
 23                 => HS connection
 24                 => HS disconnection
 25                 => Get HS connected remote BT address
 26                 => Get latest HS connected device
 27                 => Pickup the call
 28                 => Hangup the call
 29                 => Open audio
 30                 => Close audio
 31                 => Mute microphone
 32                 => Unmute microphone
 33                 => Dial a phone number
 34                 => Redial a phone number
 35                 => Send DTMF AT command
 36                 => Request call indicator
 37                 => Request call operater name
 38                 => Request current calls
 39                 => Get battery charging status value
 40                 => Start voice recognition
 41                 => Stop voice recognition
[PBC]=========================
 42                 => PBC connection
 43                 => PBC disconnection
 44                 => PBC abort
 45                 => Get contact
 46                 => Get call history
[MCE]=========================
 47                 => MCE connection
 48                 => MCE disconnection
 49                 => Start MCE notification server
 50                 => Stop MCE notification server
 51                 => Get message
================================
```

```
 99                    => Quit
================================
Select menu =>
```

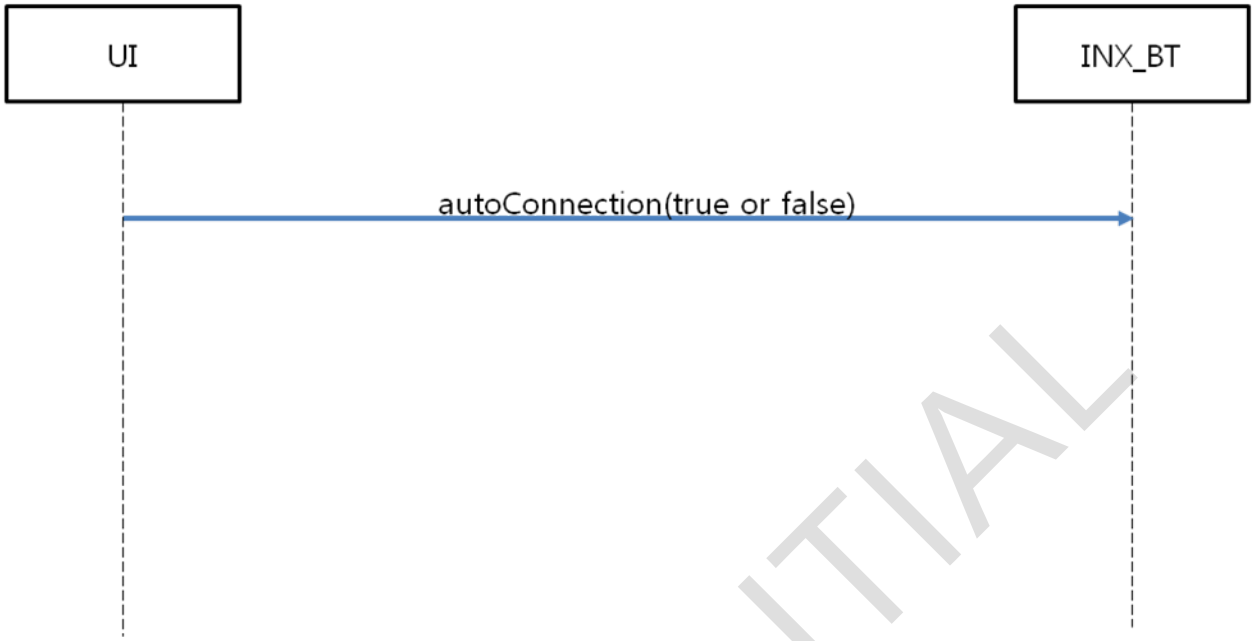
Chap 2. Function scenario

2.1 MGT functions (Management)

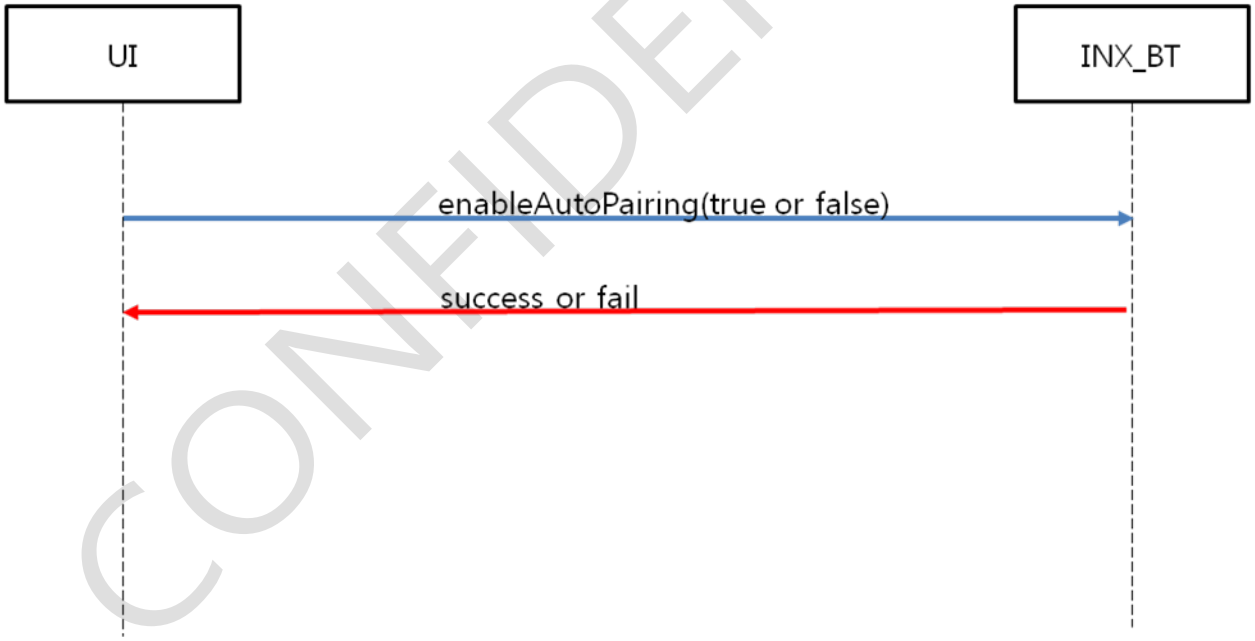
2.1.1 Get paired device lists



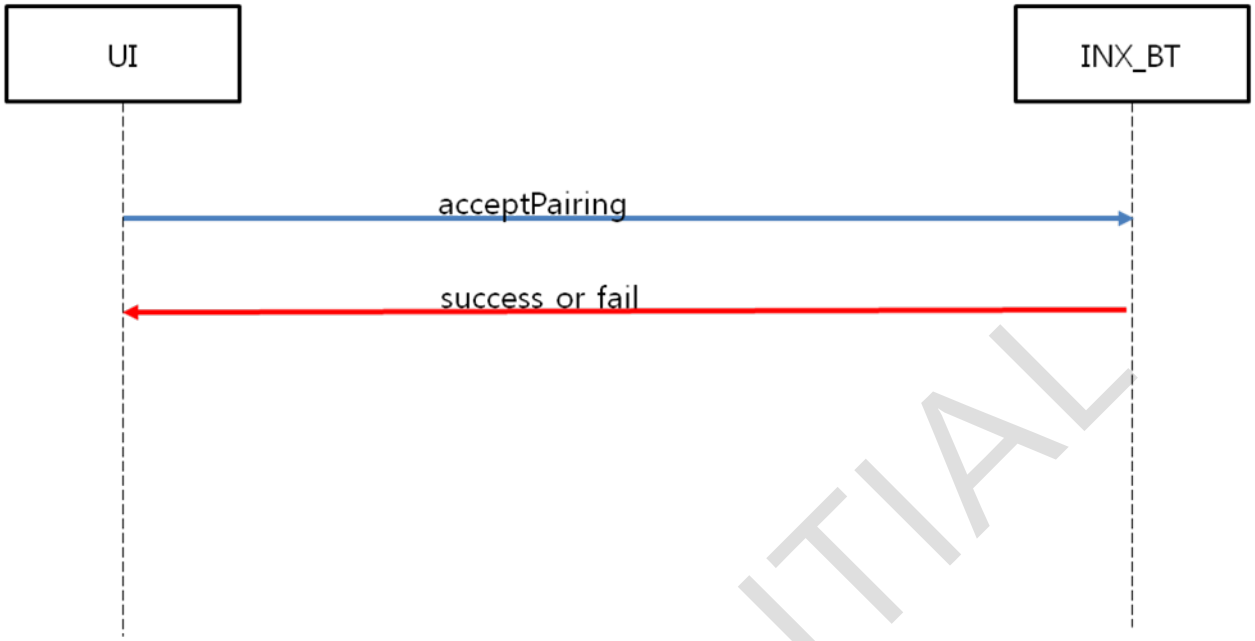
2.1.2 Enable/Disable auto connection



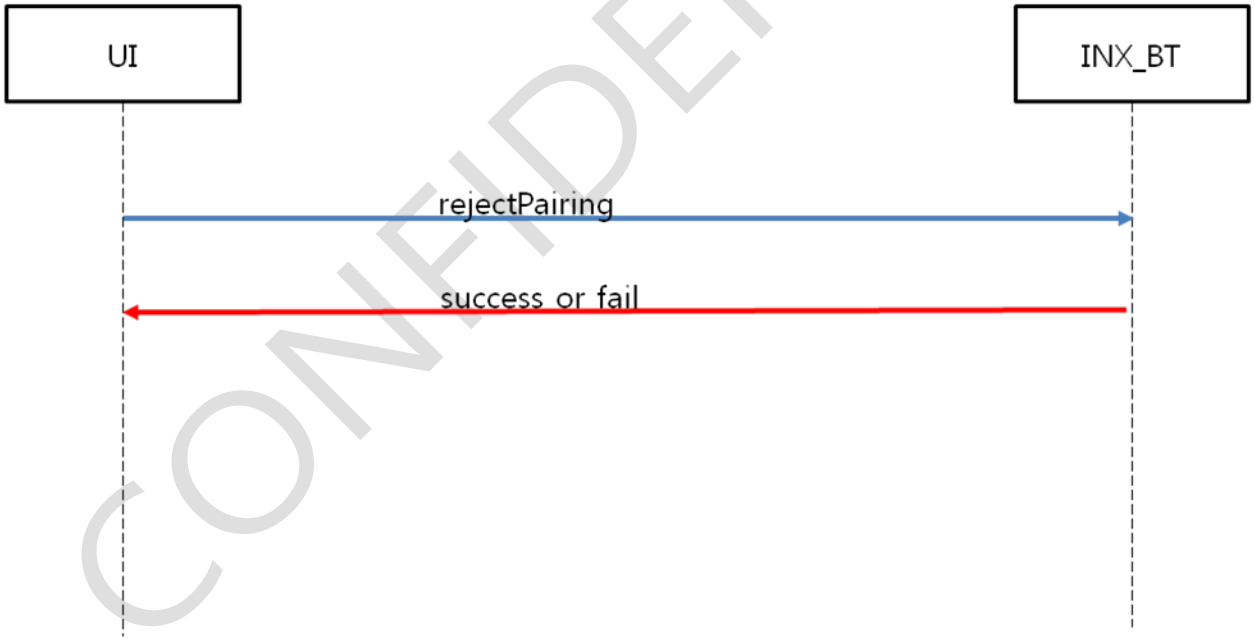
2.1.3 Enable/Disable auto pairing



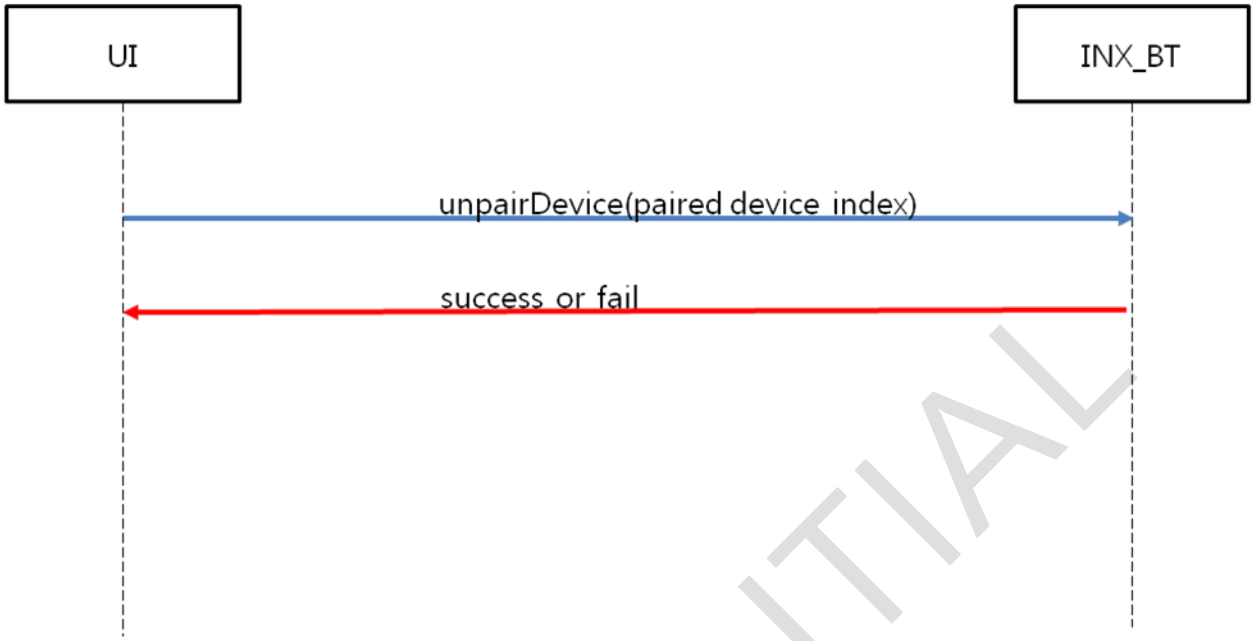
2.1.4 Accept pairing



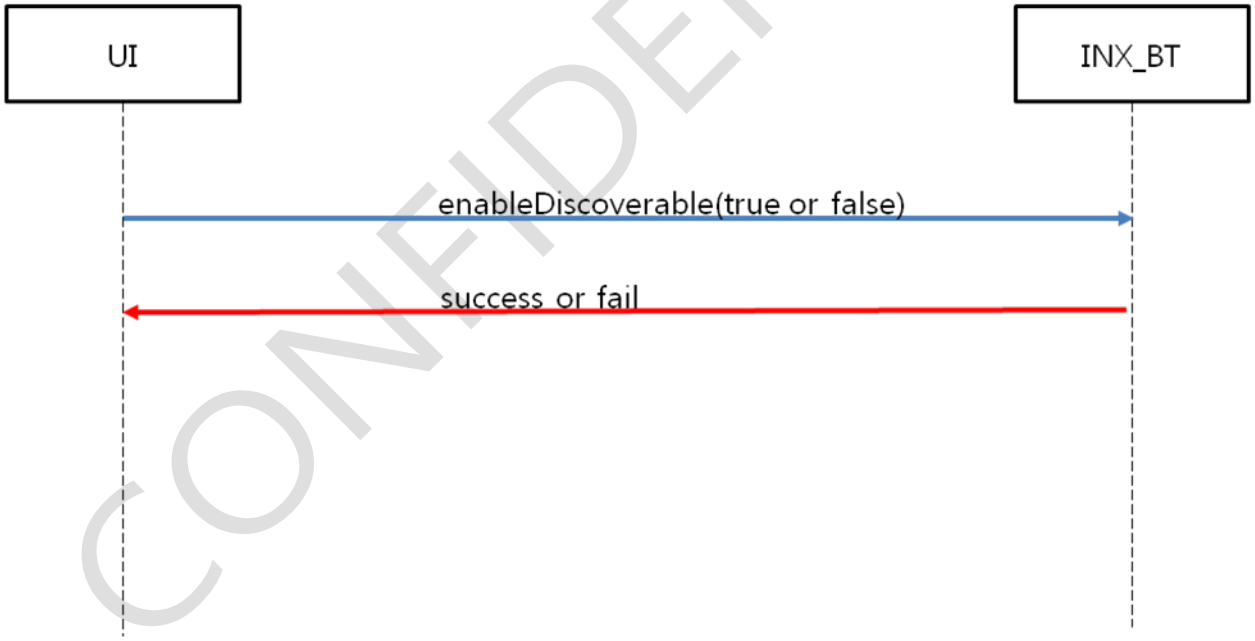
2.1.5 Reject pairing



2.1.6 Unpair device

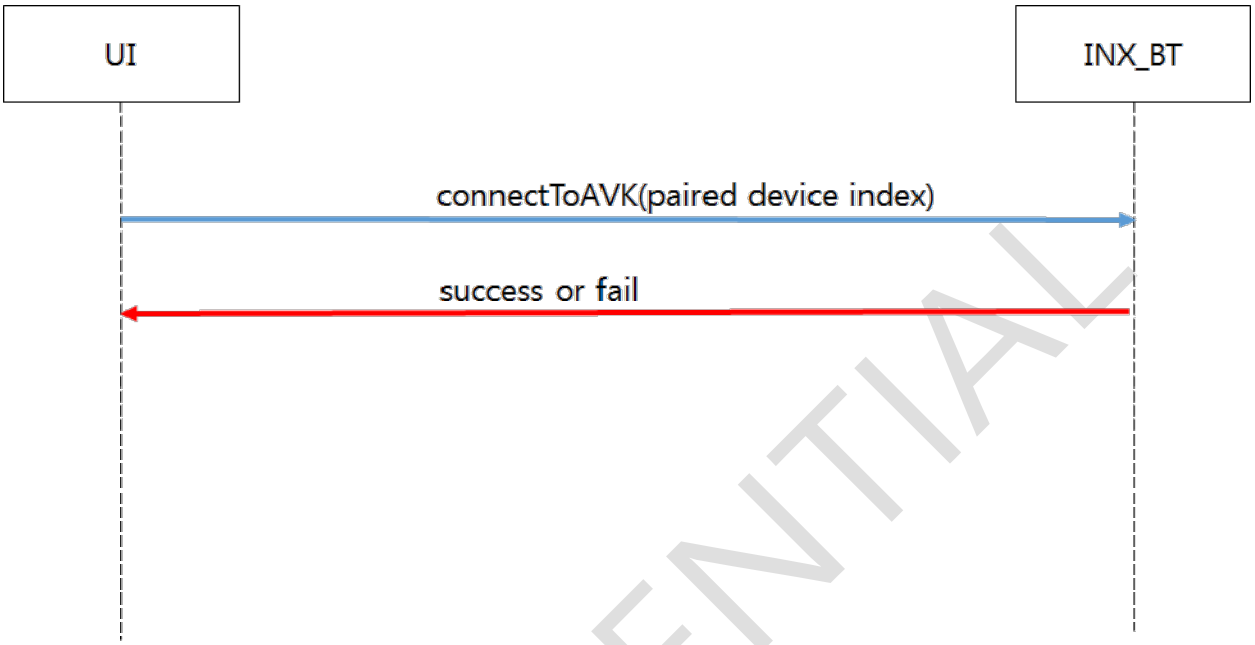


2.1.7 Enable/Disable discoverable

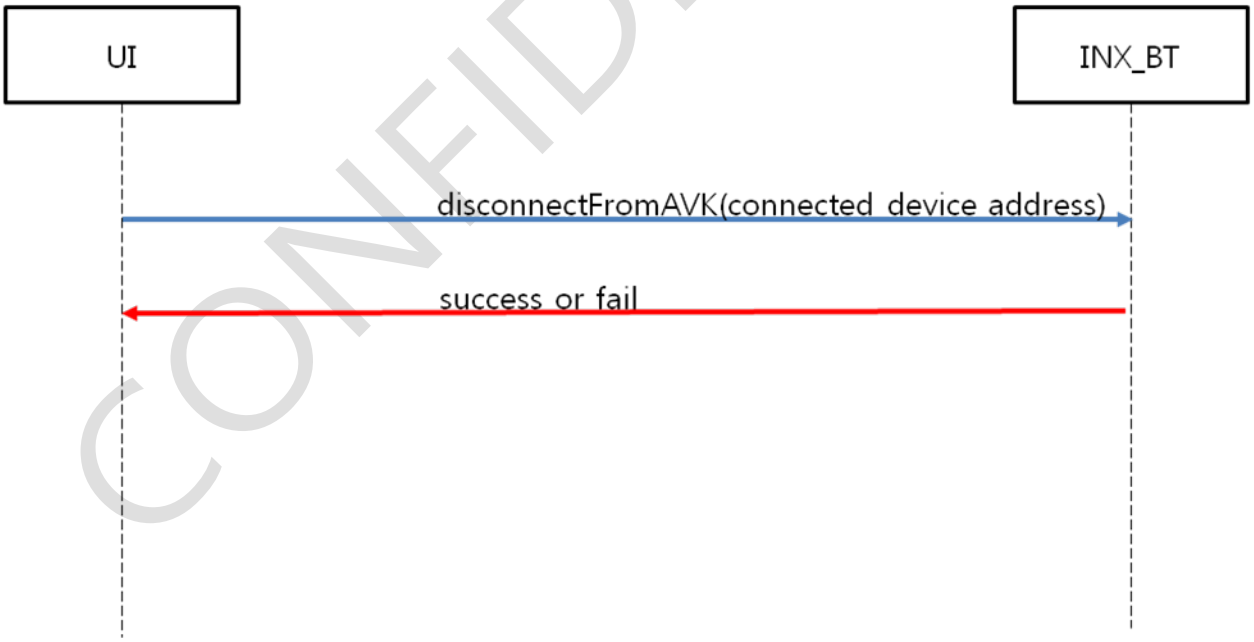


2.2 AVK functions (A2DP, AVRCP)

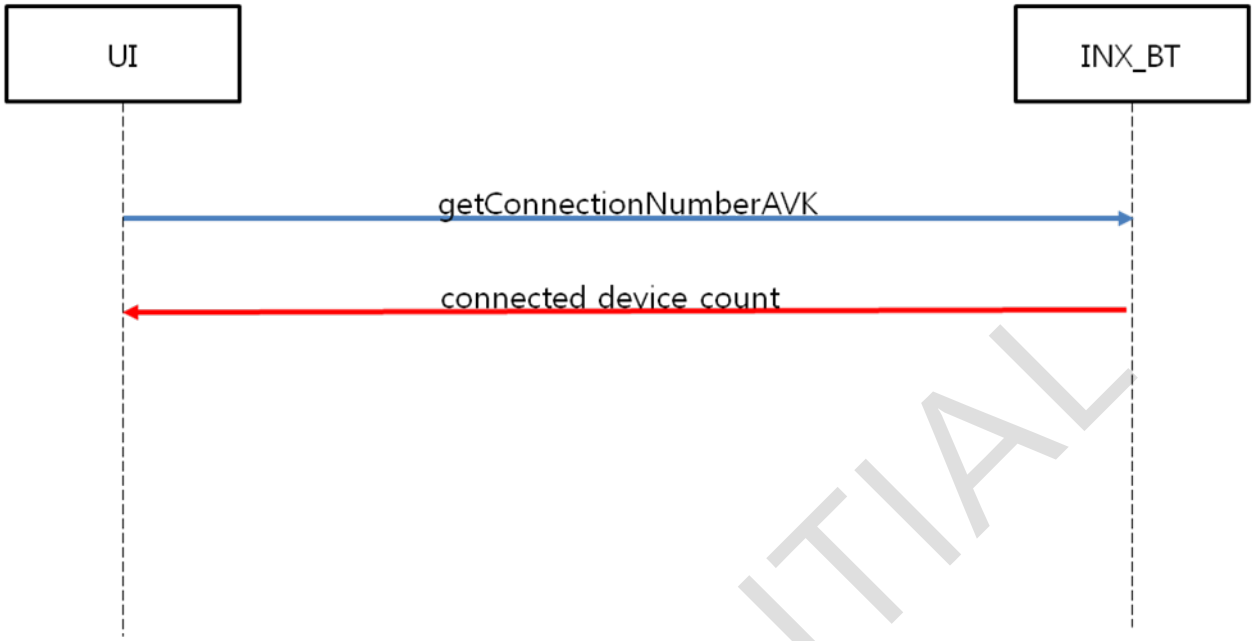
2.2.1 AVK connection



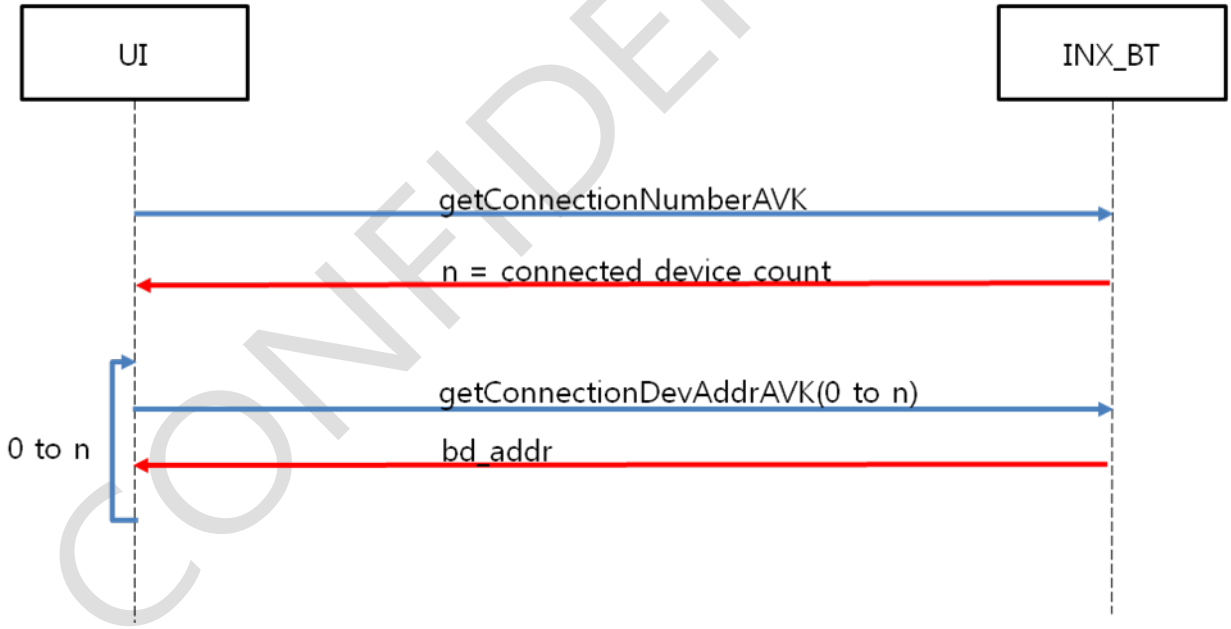
2.2.2 AVK disconnection



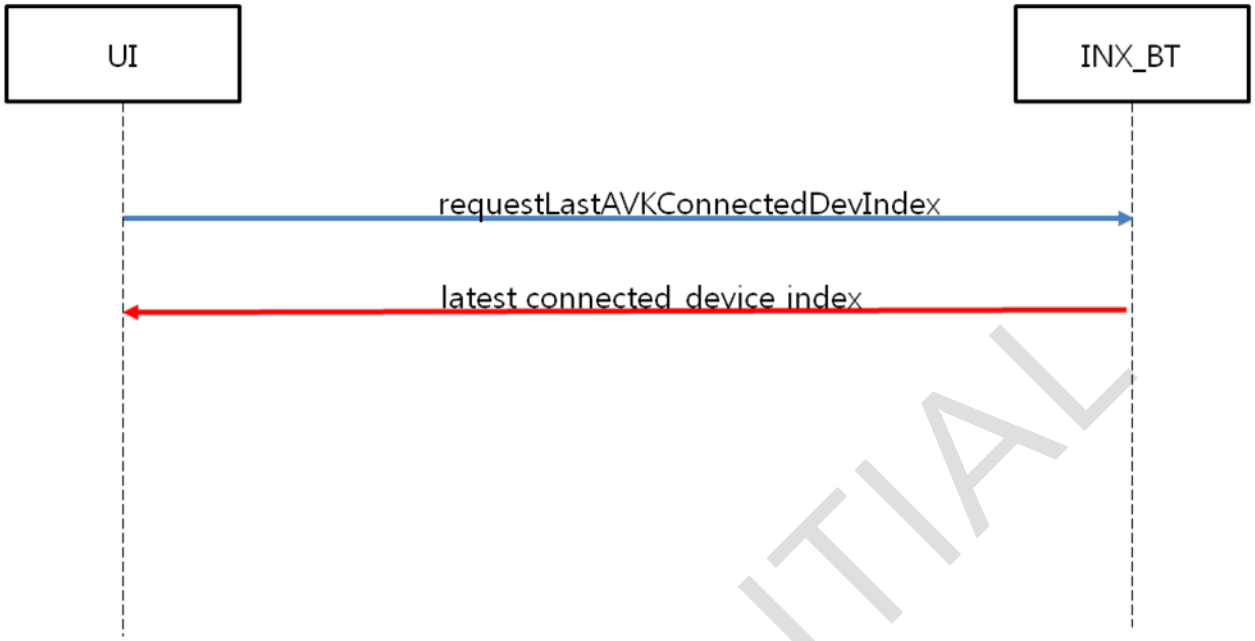
2.2.3 Get number of the AVK connection



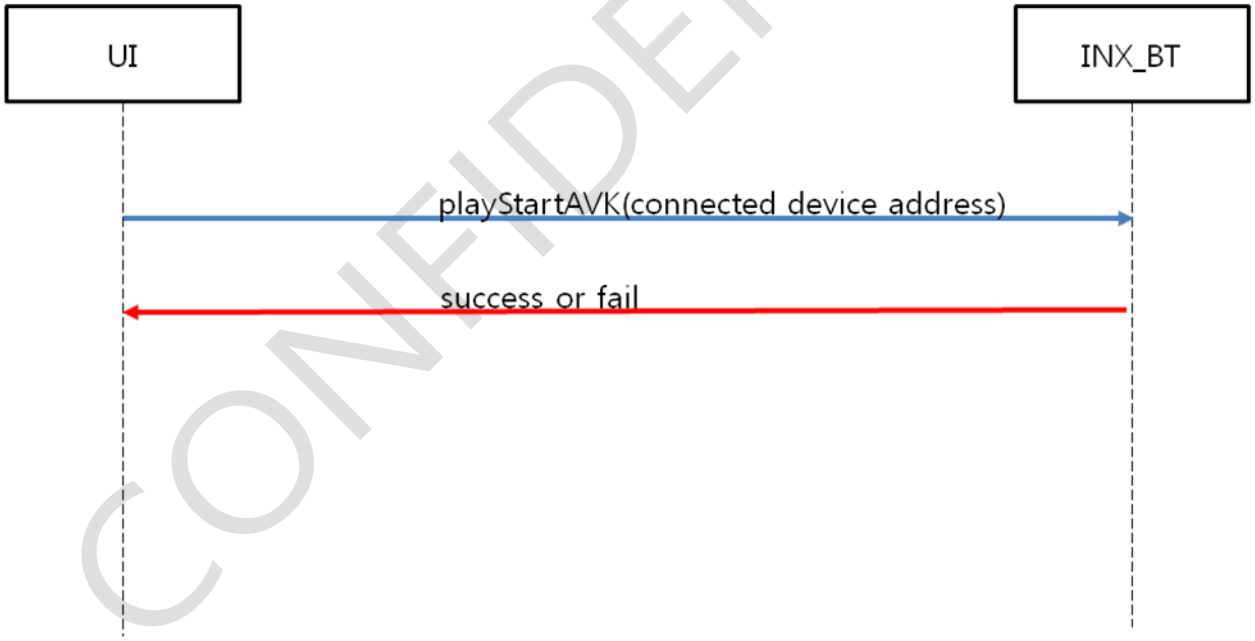
2.2.4 Get AVK connected device address



2.2.5 Get AVK latest connected device index

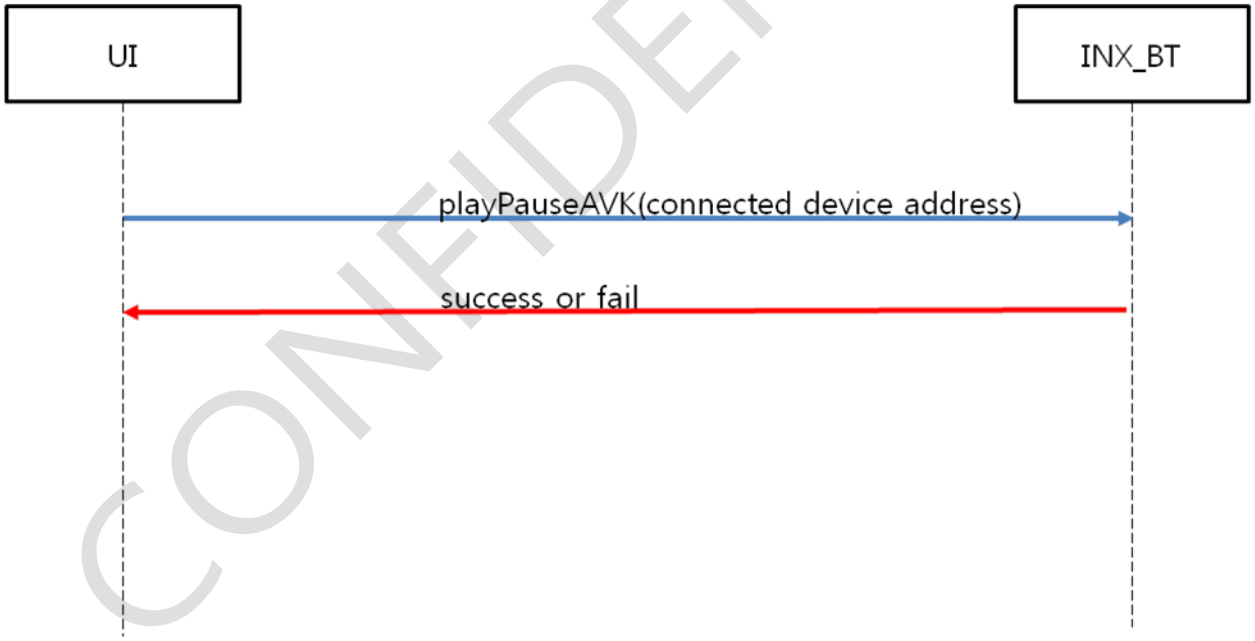


2.2.6 Play start



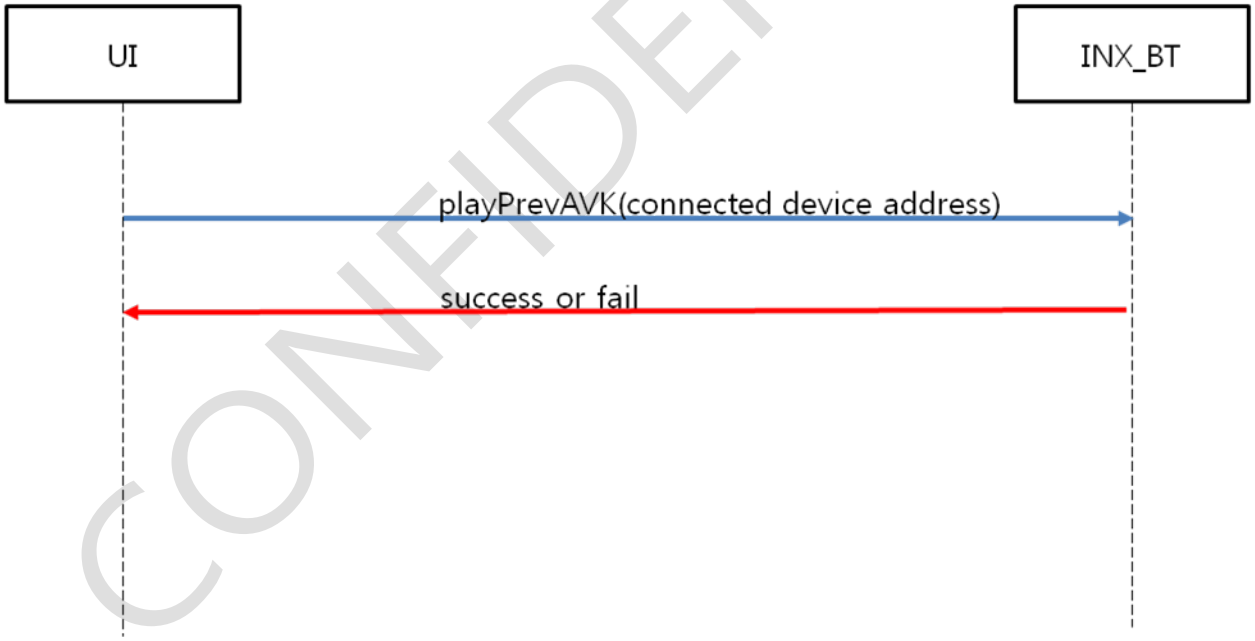
2.2.7 Play stop

2.2.8 Play pause

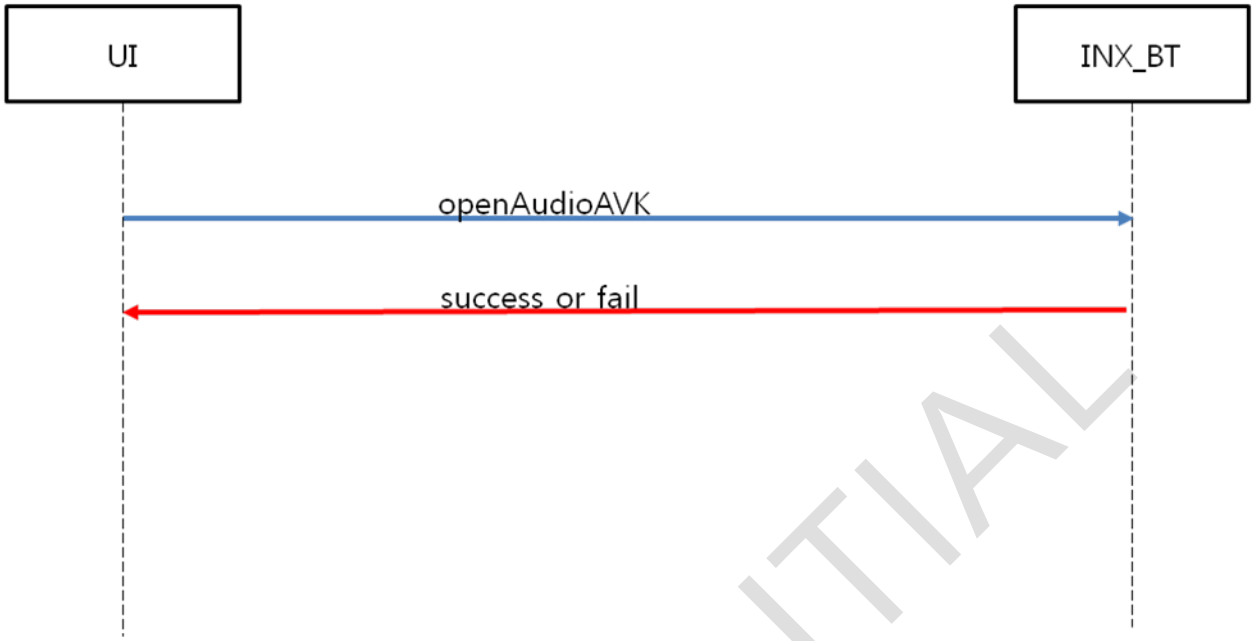


2.2.9 Play next

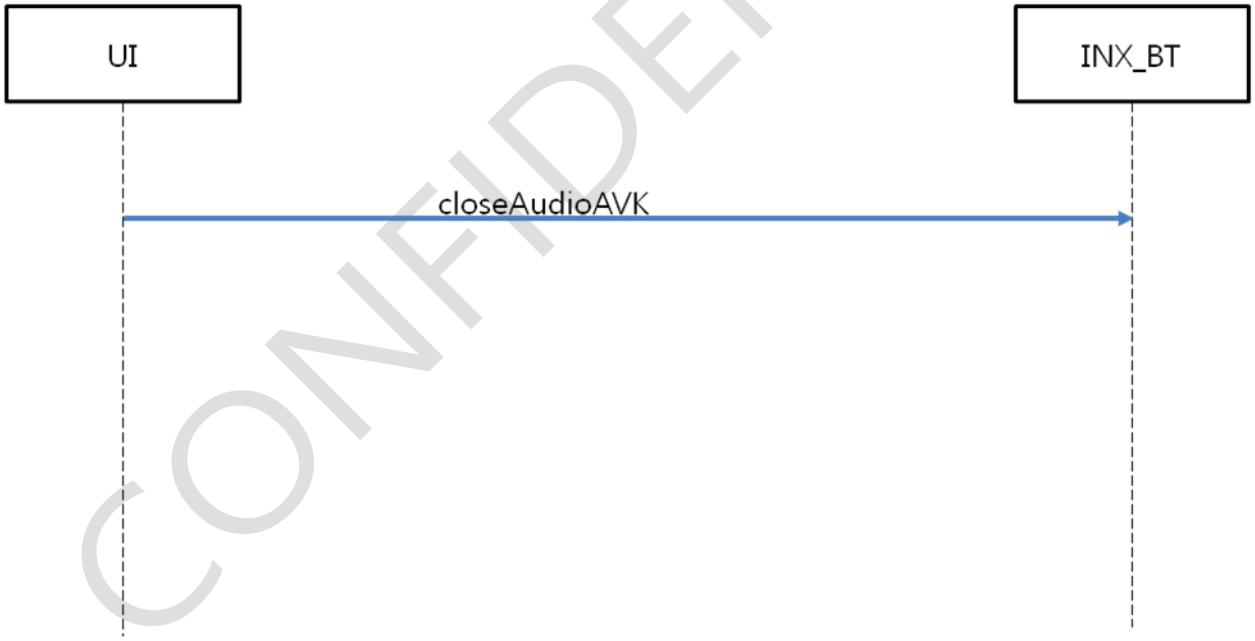
2.2.10 Play prev



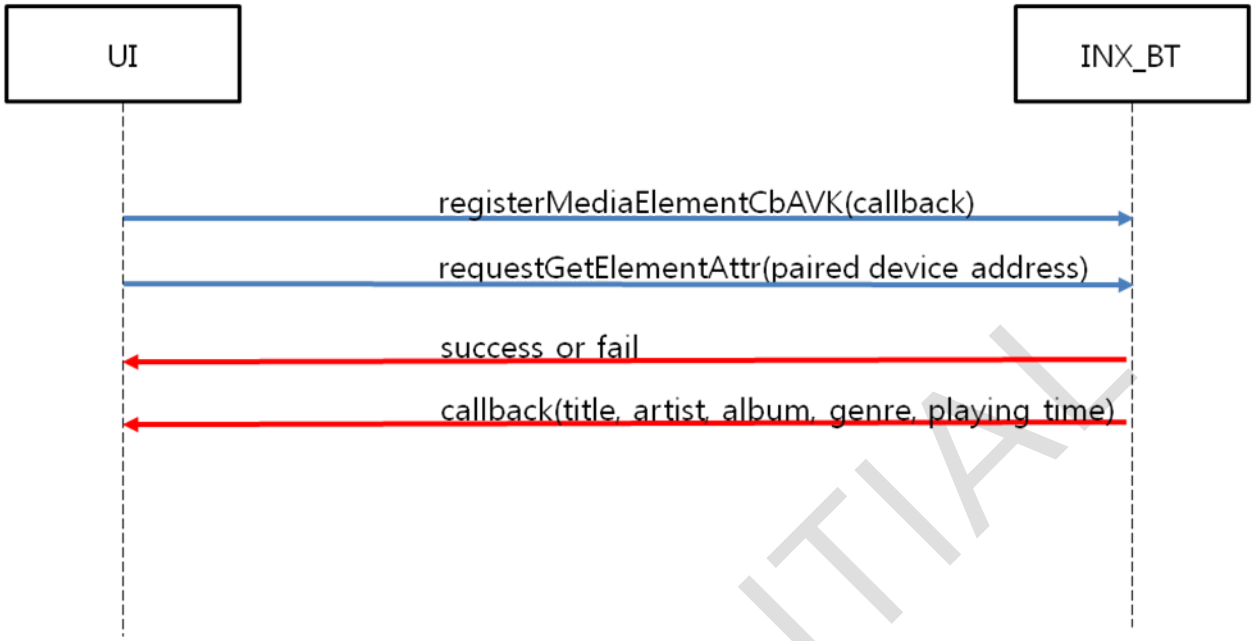
2.2.11 Open AVK audio device



2.2.12 Close AVK audio device

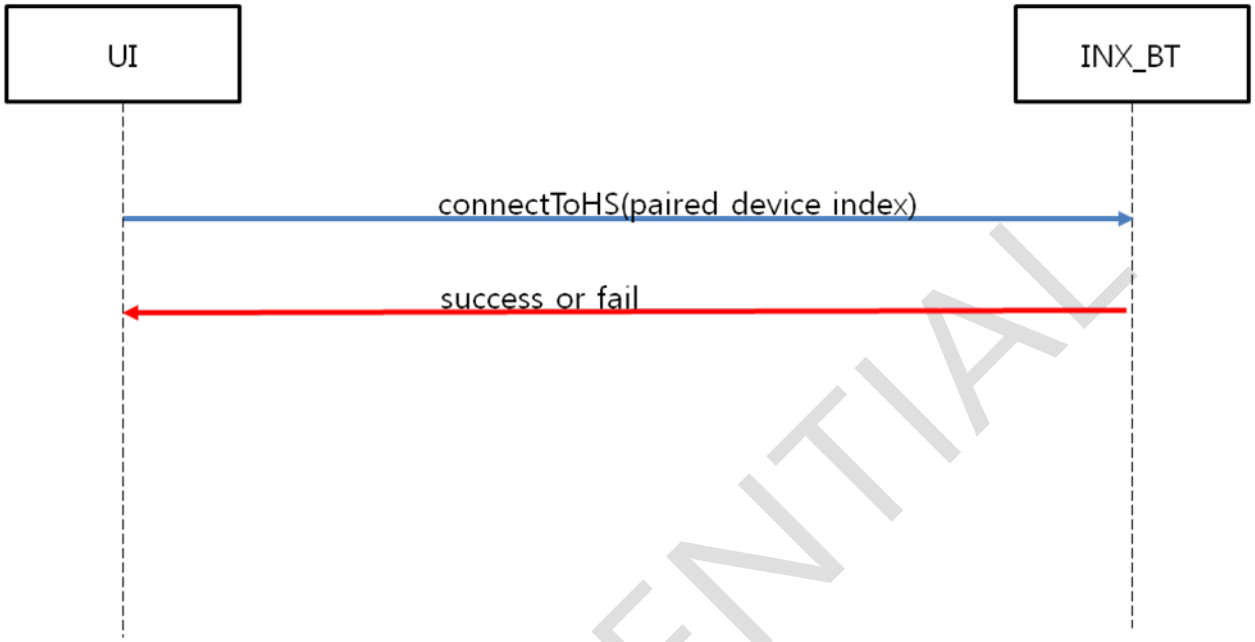


2.2.13 Get media elements

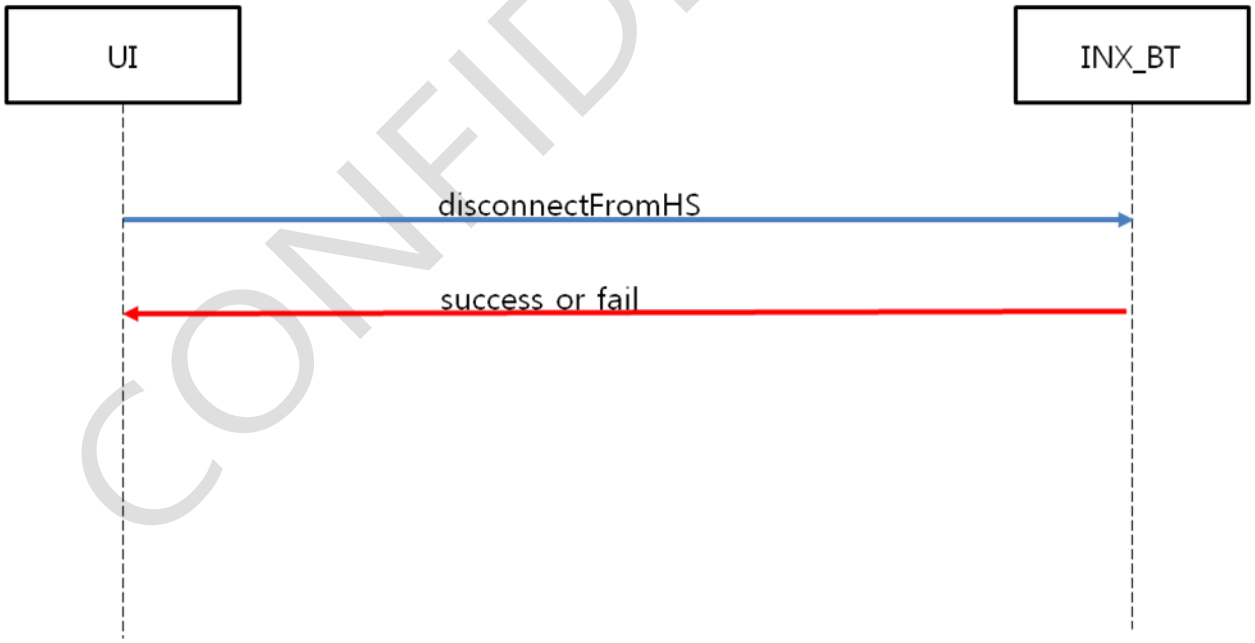


2.3 HS functions (HFP)

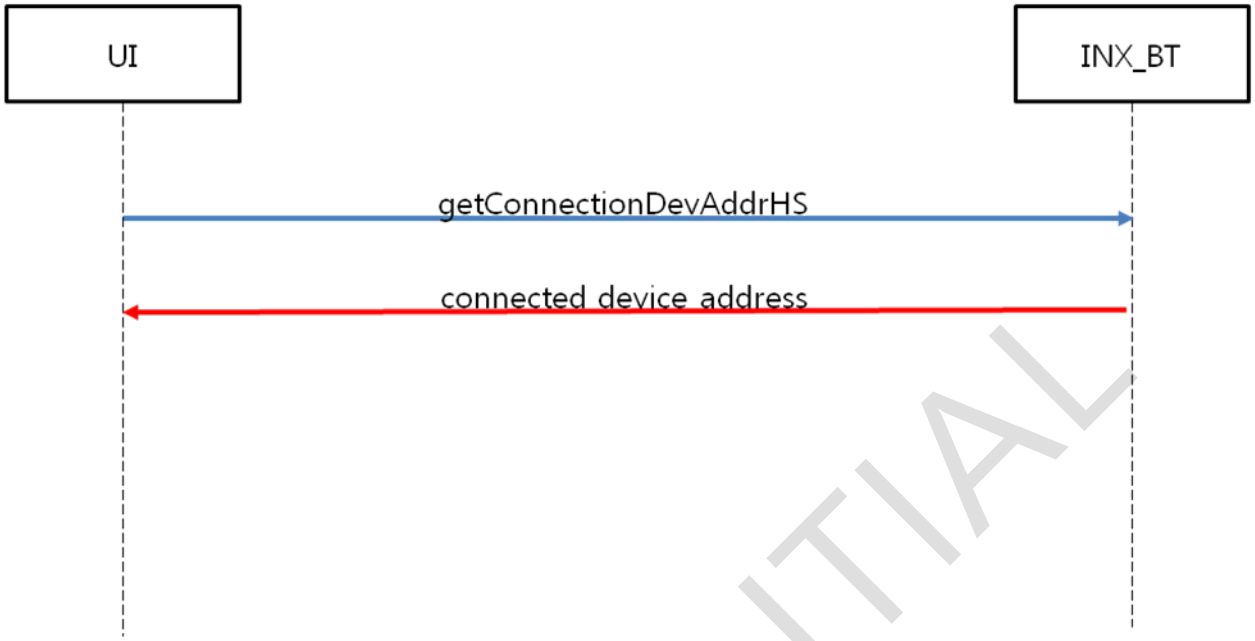
2.3.1 HS connection



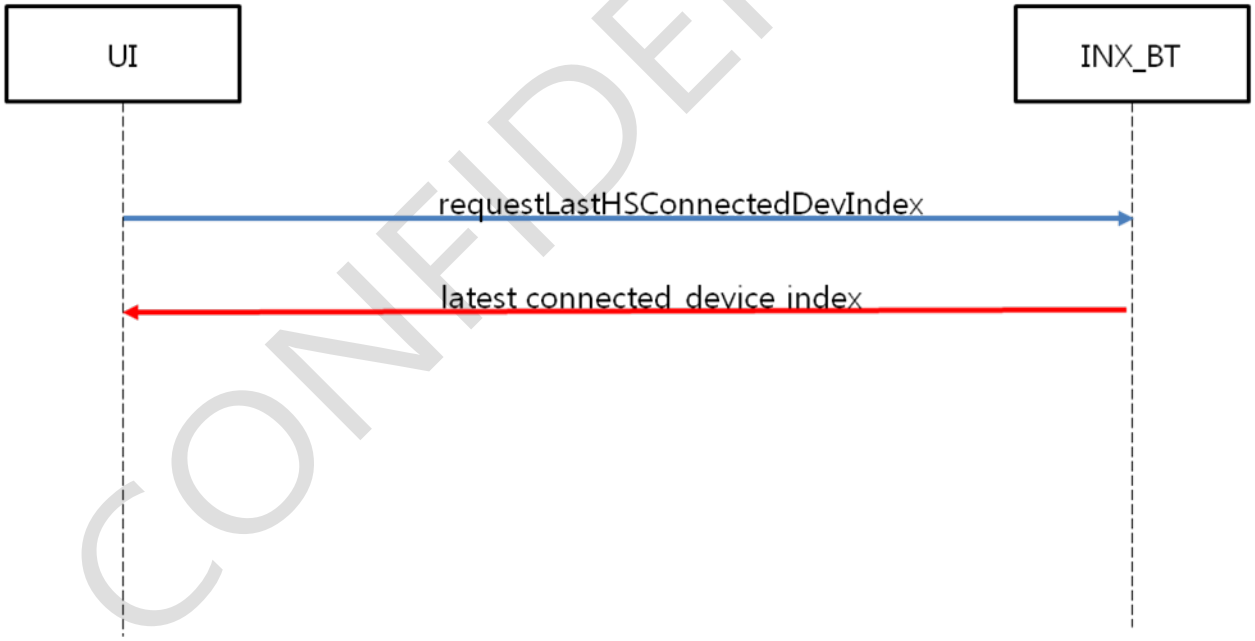
2.3.2 HS disconnection



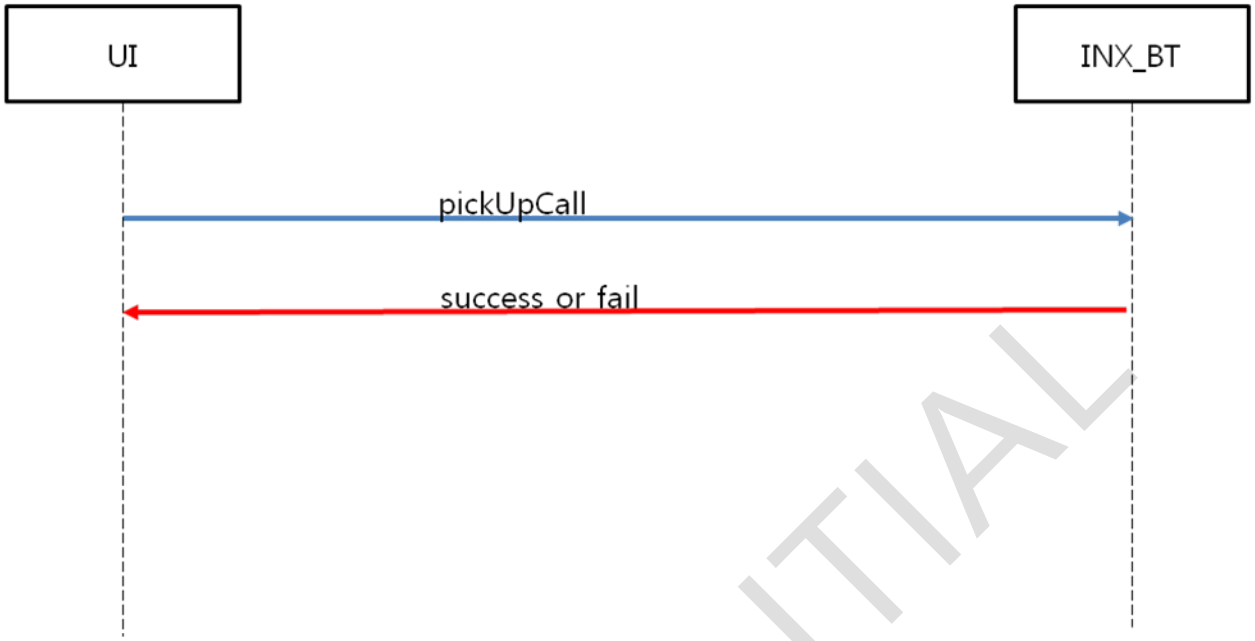
2.3.3 Get HS connected device address



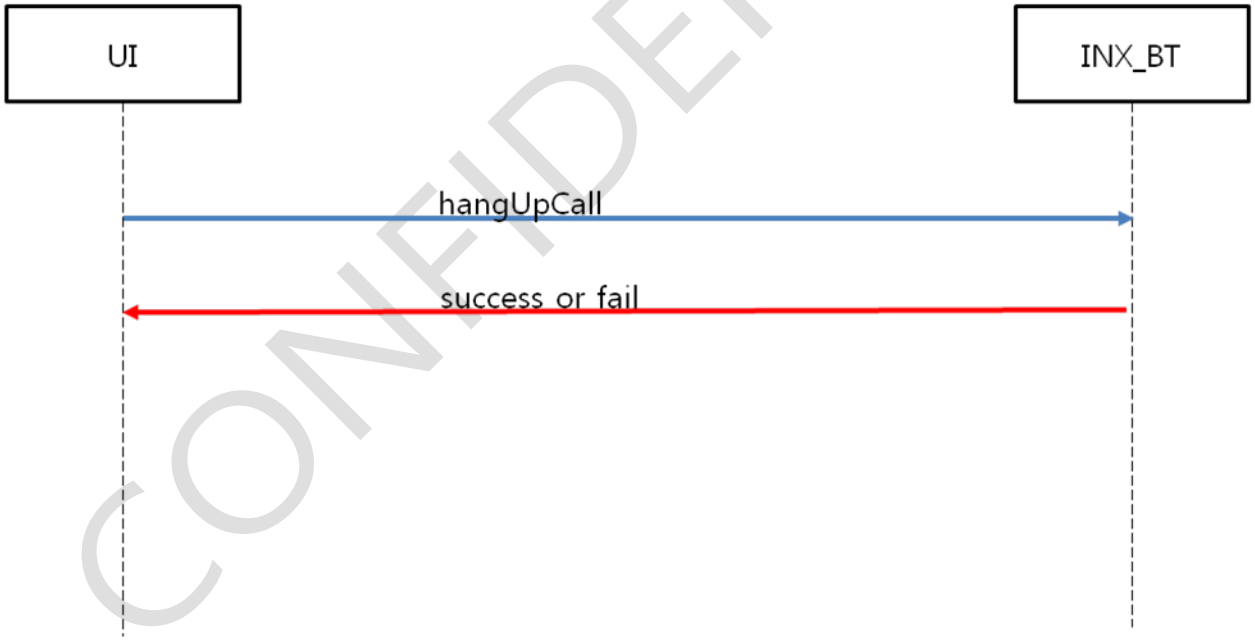
2.3.4 Get HS latest connected device index



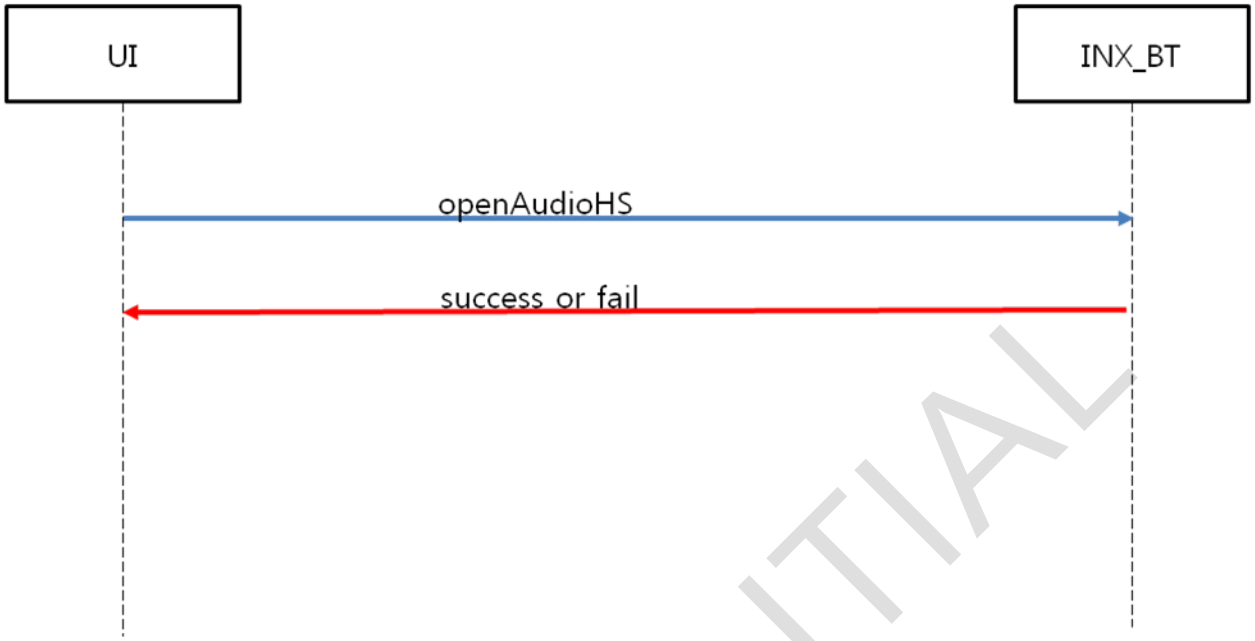
2.3.5 Pickup the call



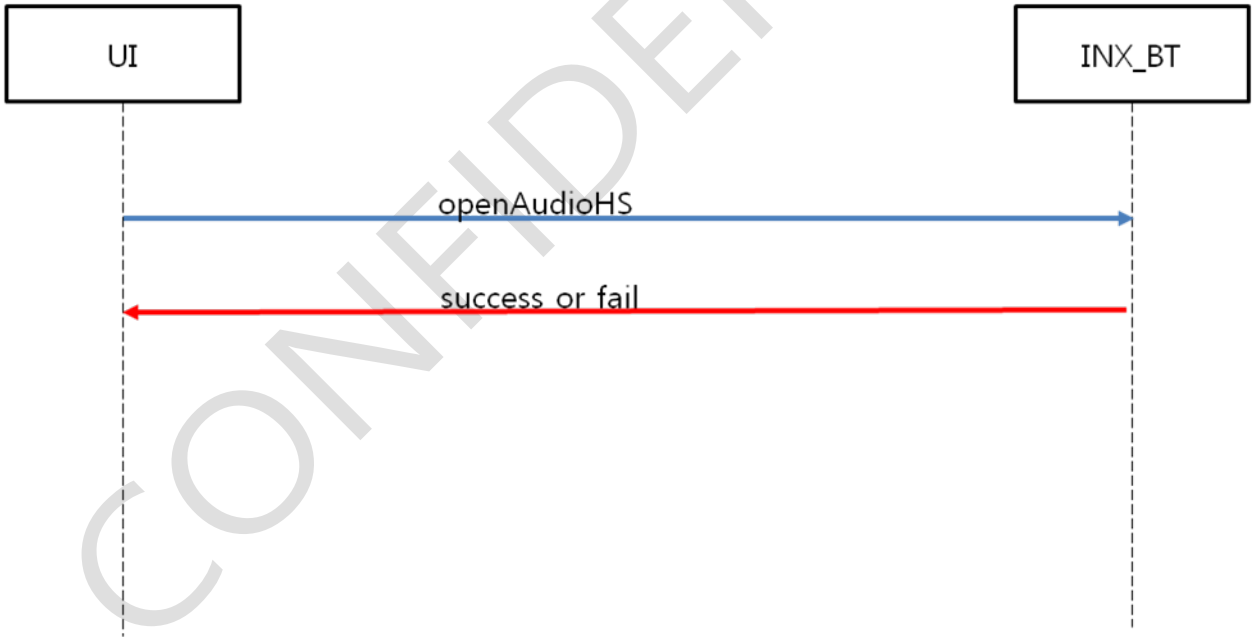
2.3.6 Hang up the call



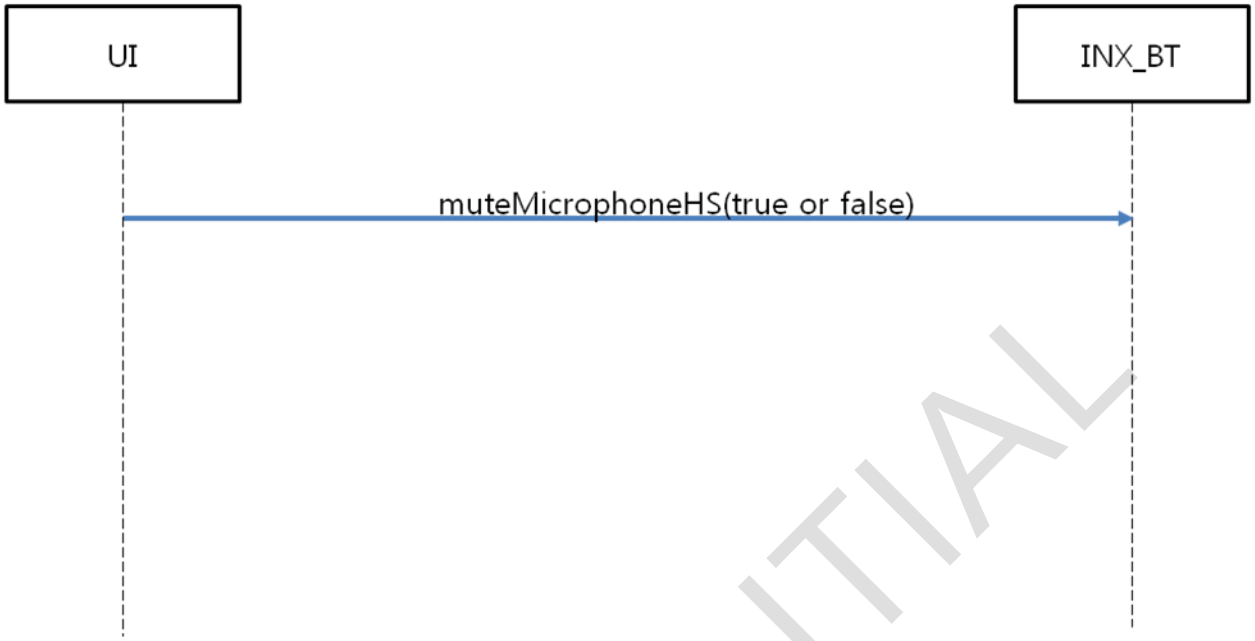
2.3.7 Open the HS audio



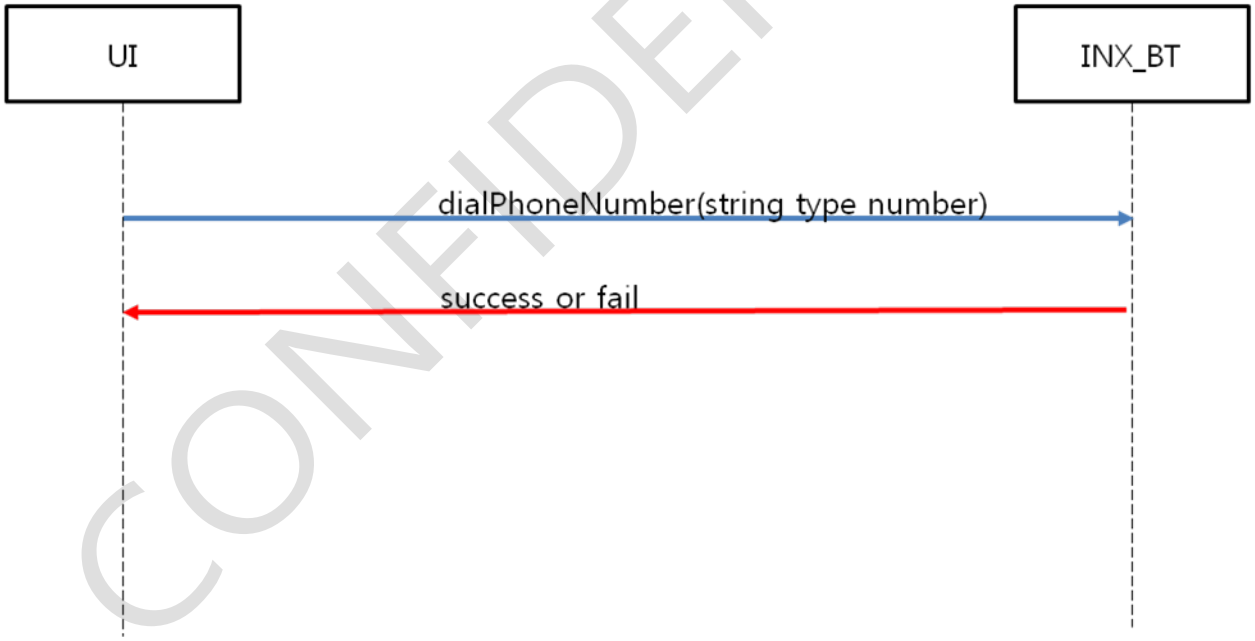
2.3.8 Close the HS audio



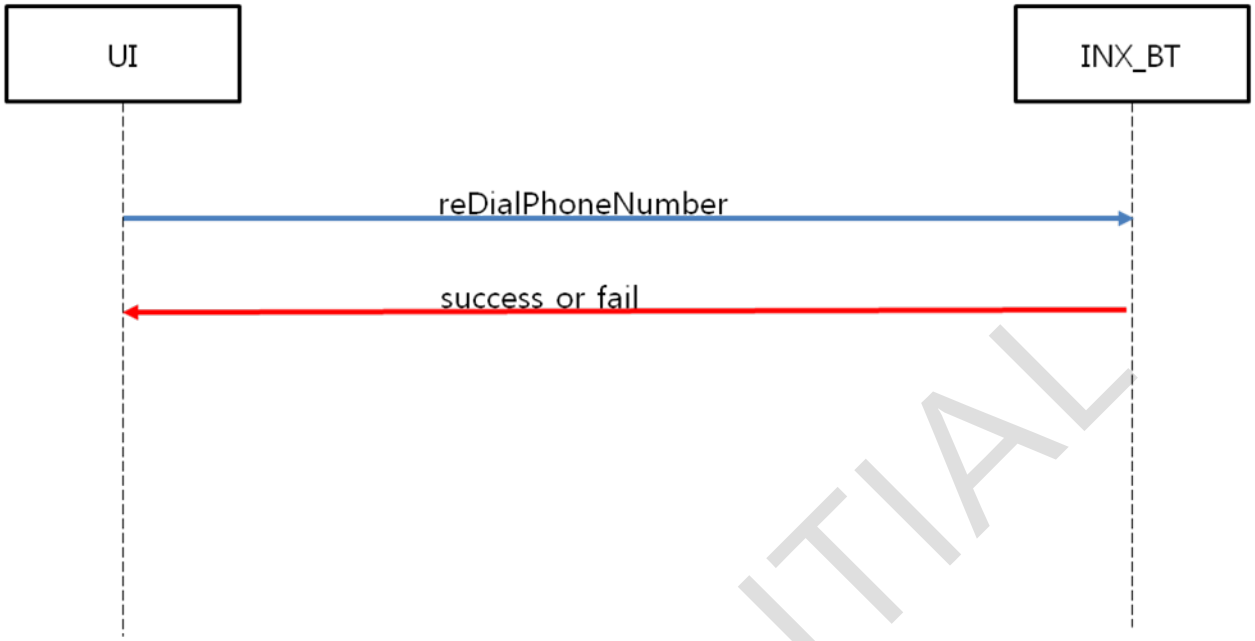
2.3.9 Mute/Unmute microphone



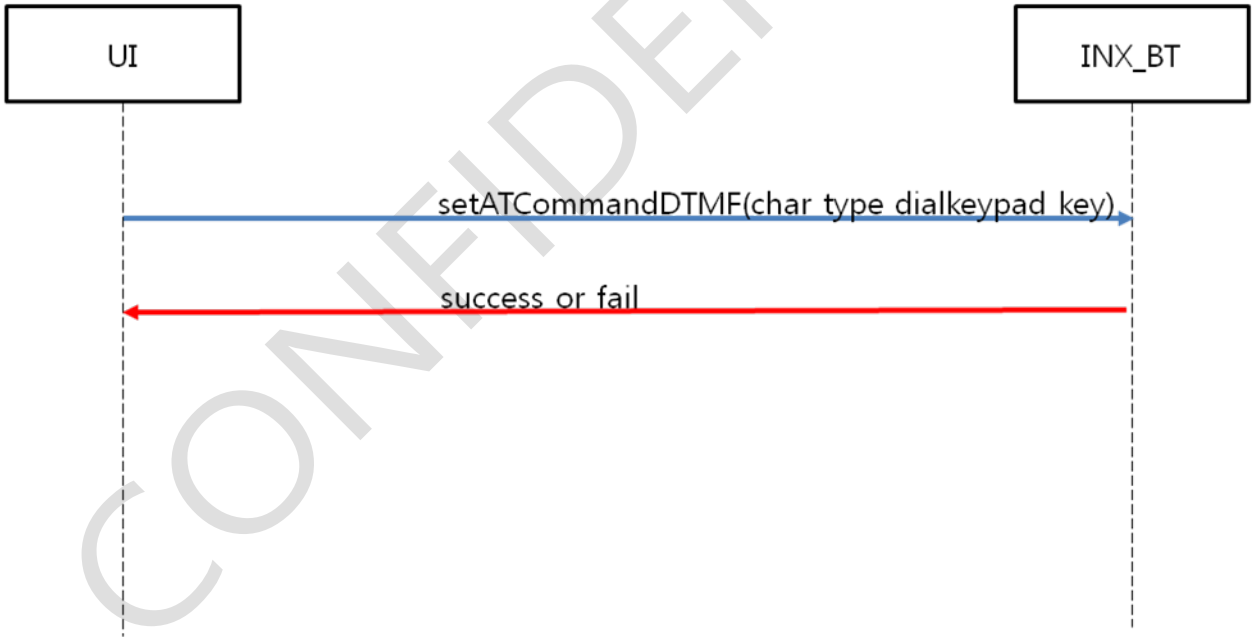
2.3.10 Dial



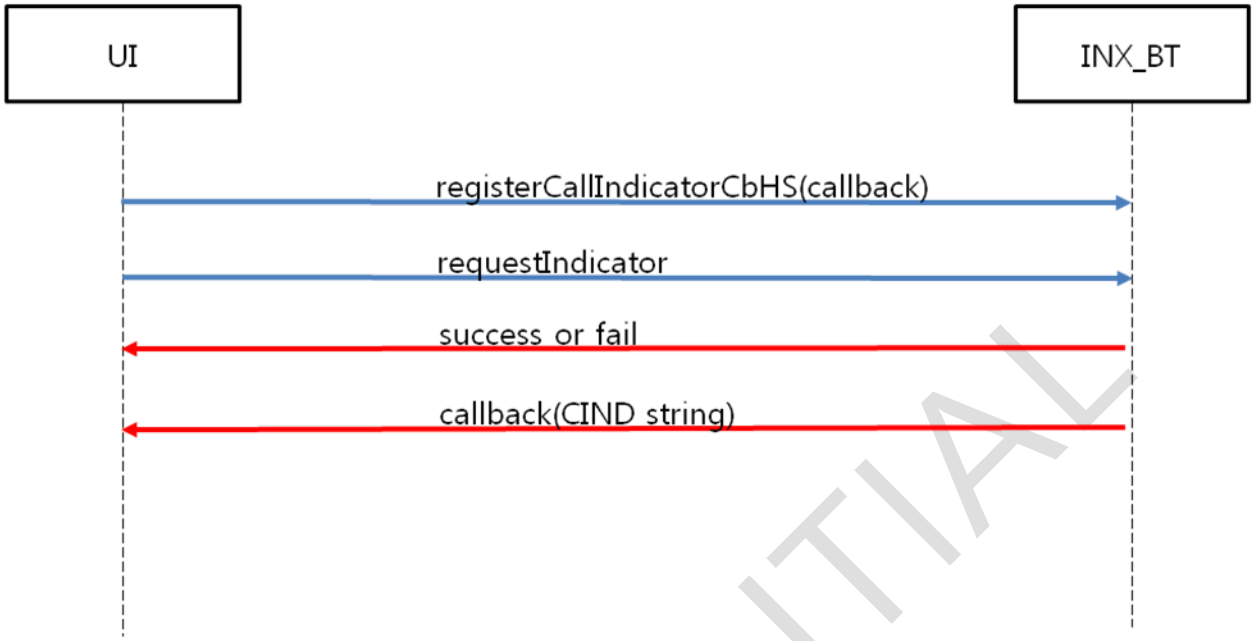
2.3.11 Redial



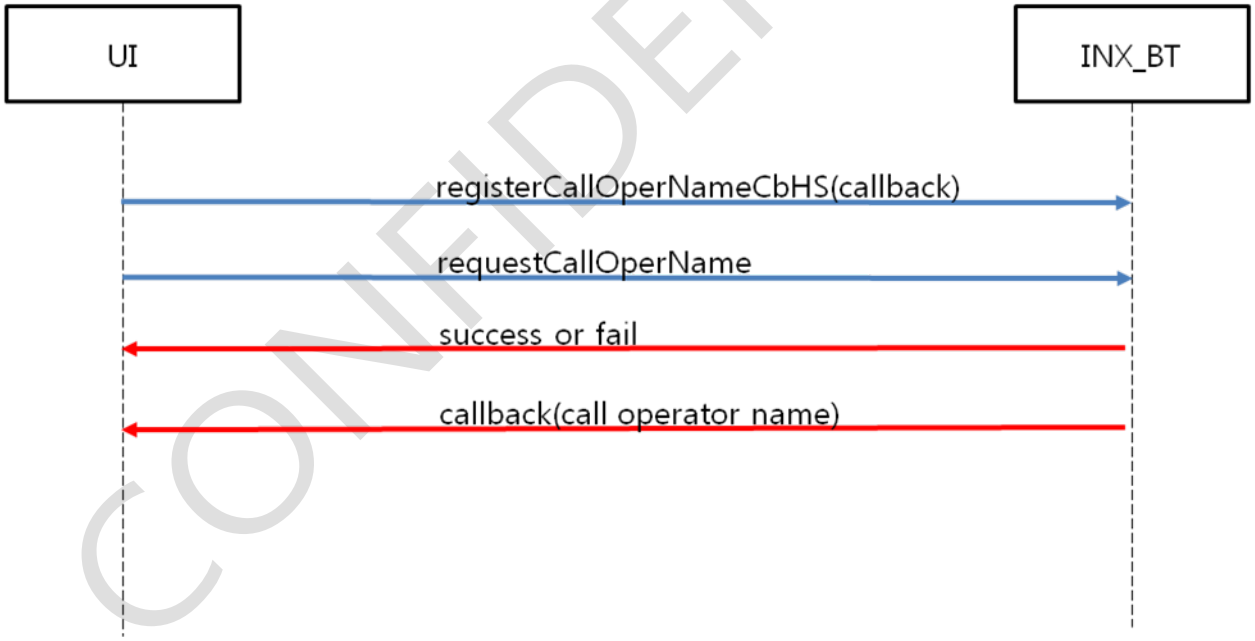
2.3.12 Send DTMF



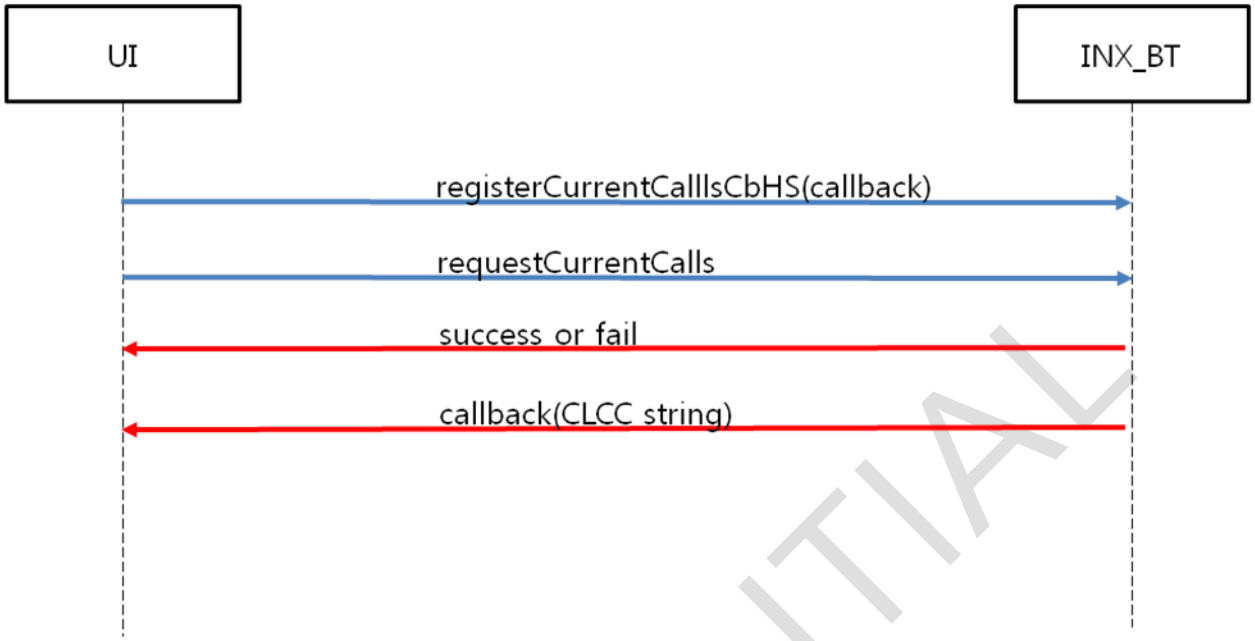
2.3.13 Request indicator call



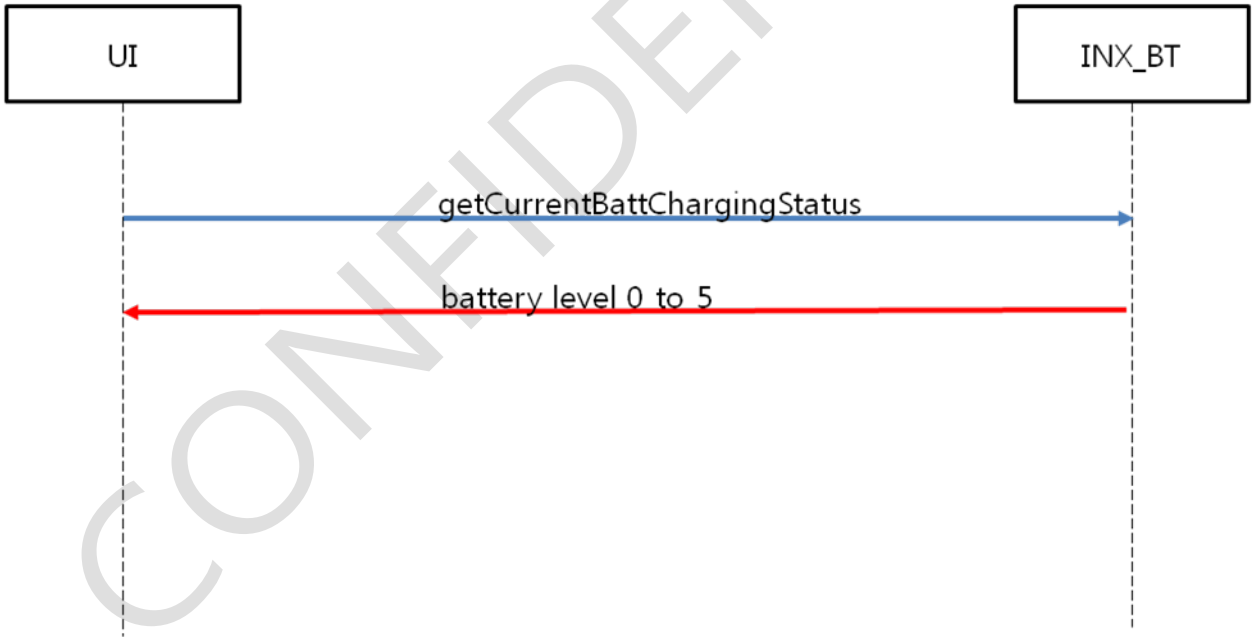
2.3.14 Request call operator's name



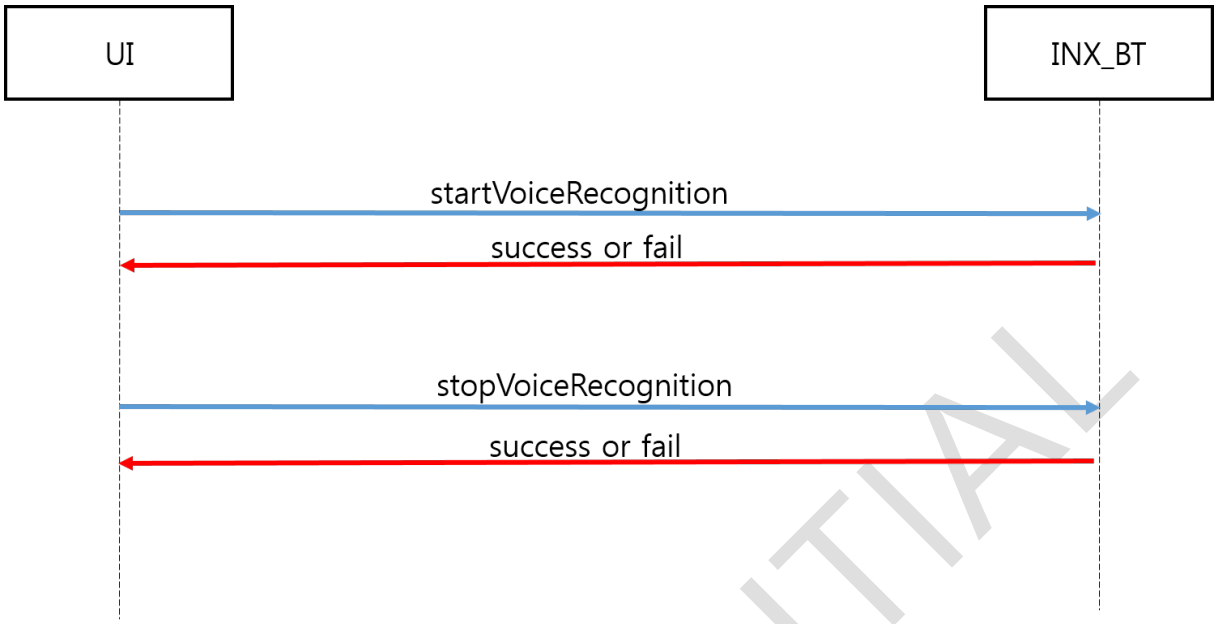
2.3.15 Request current calls



2.3.16 Get battery charging level

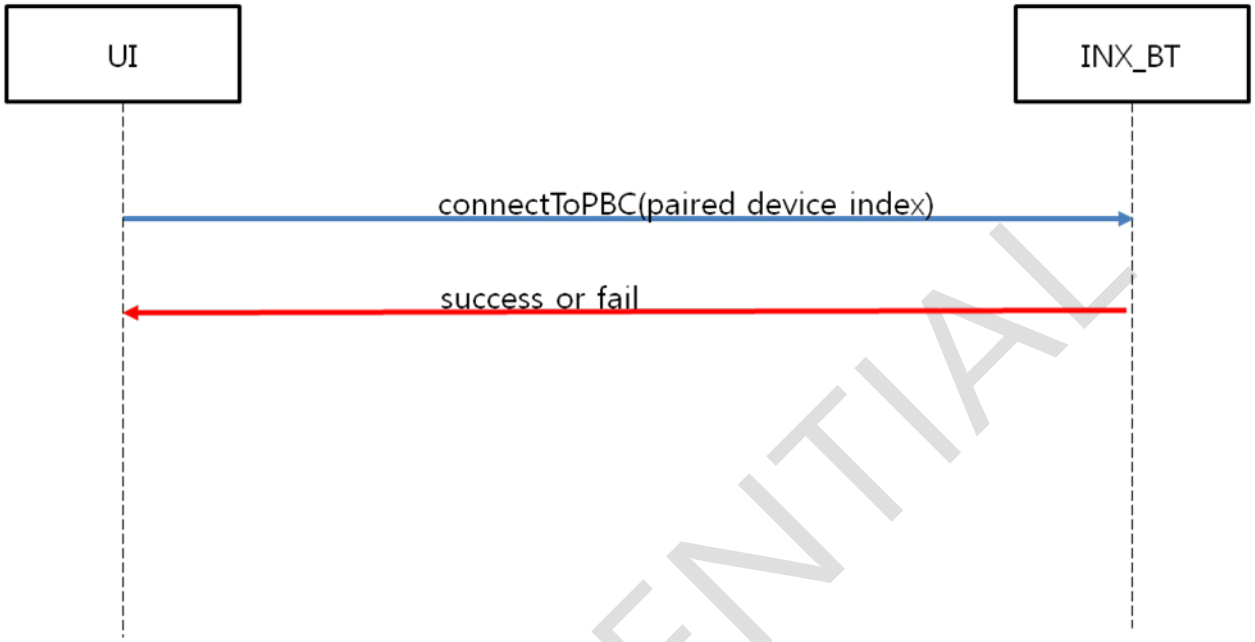


2.3.17 Start/stop voice recognition

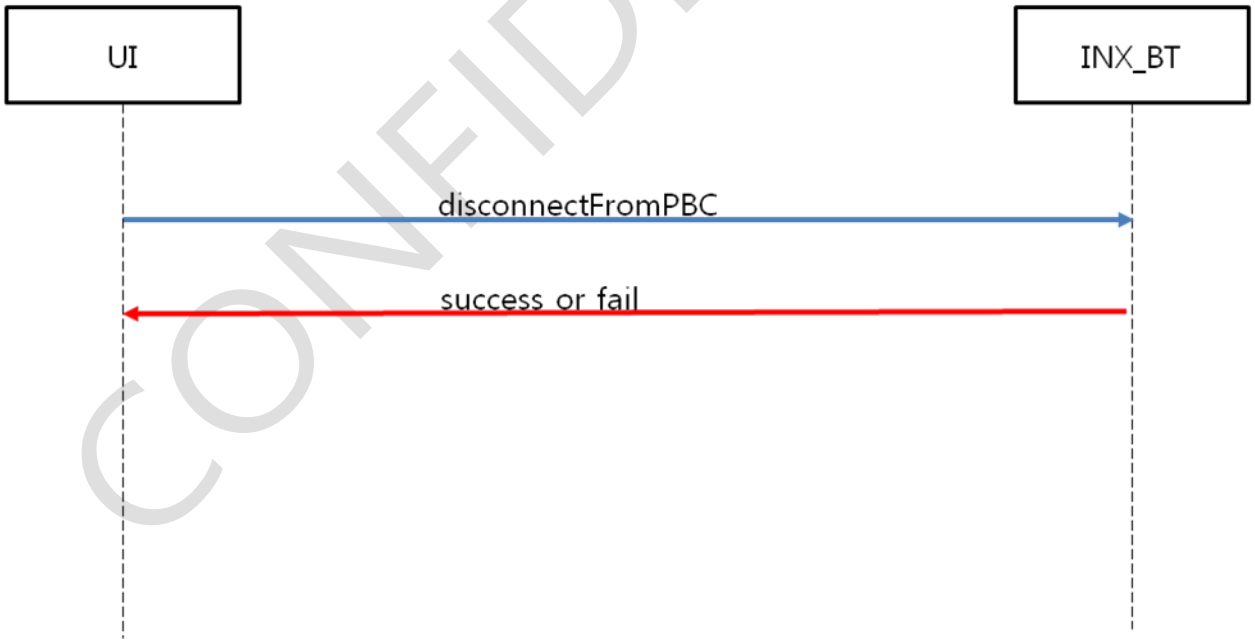


2.4 PBC functions (PBAP)

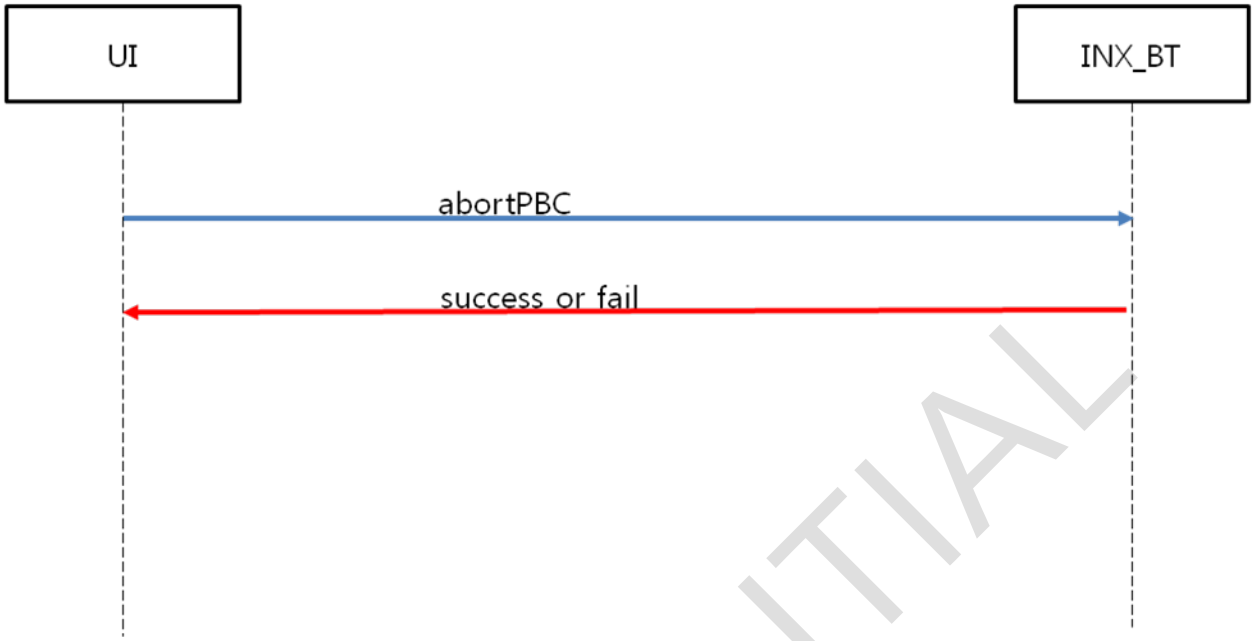
2.4.1 PBC connection



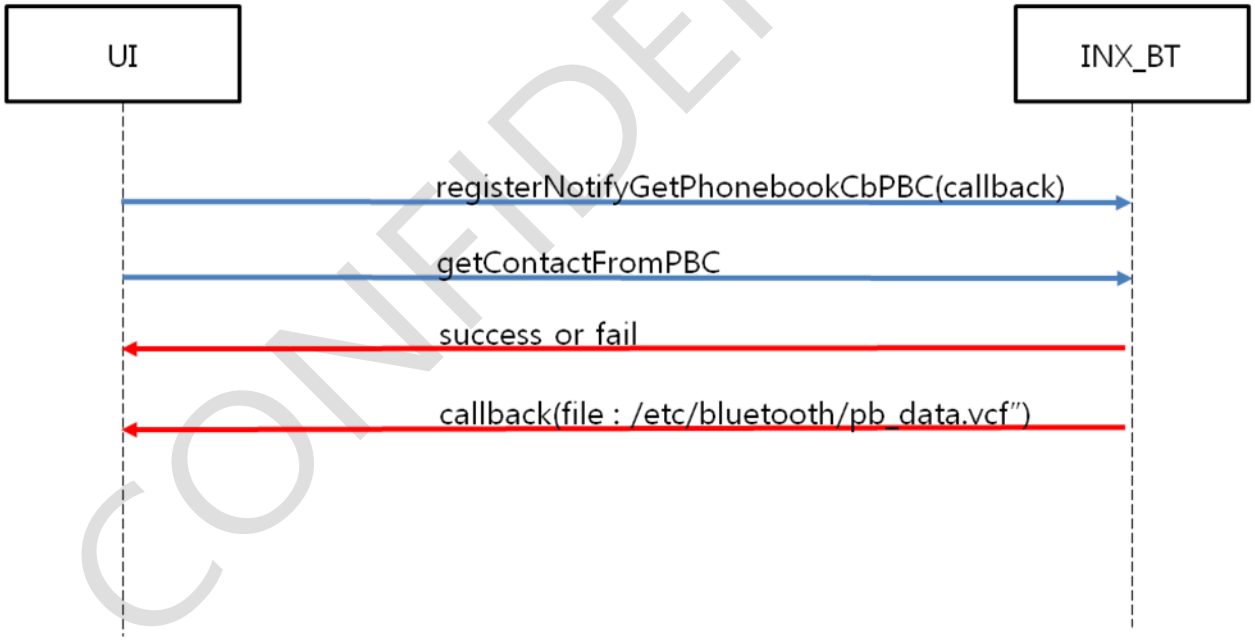
2.4.2 PBC disconnection



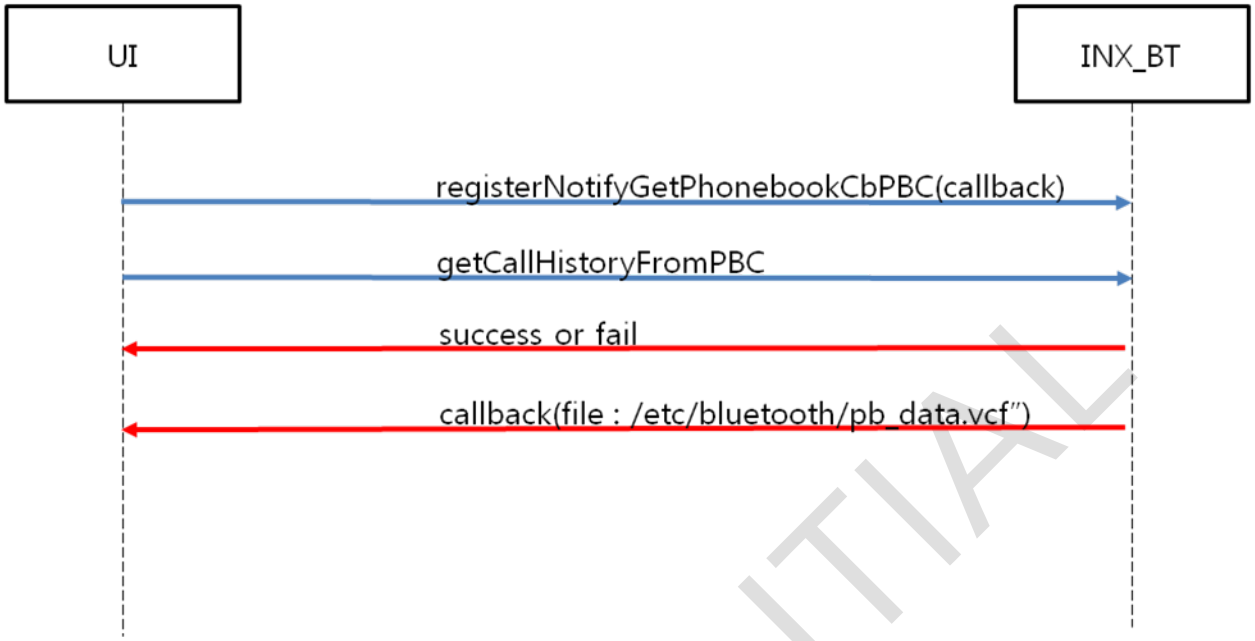
2.4.3 Abort PBC



2.4.4 Get contacts

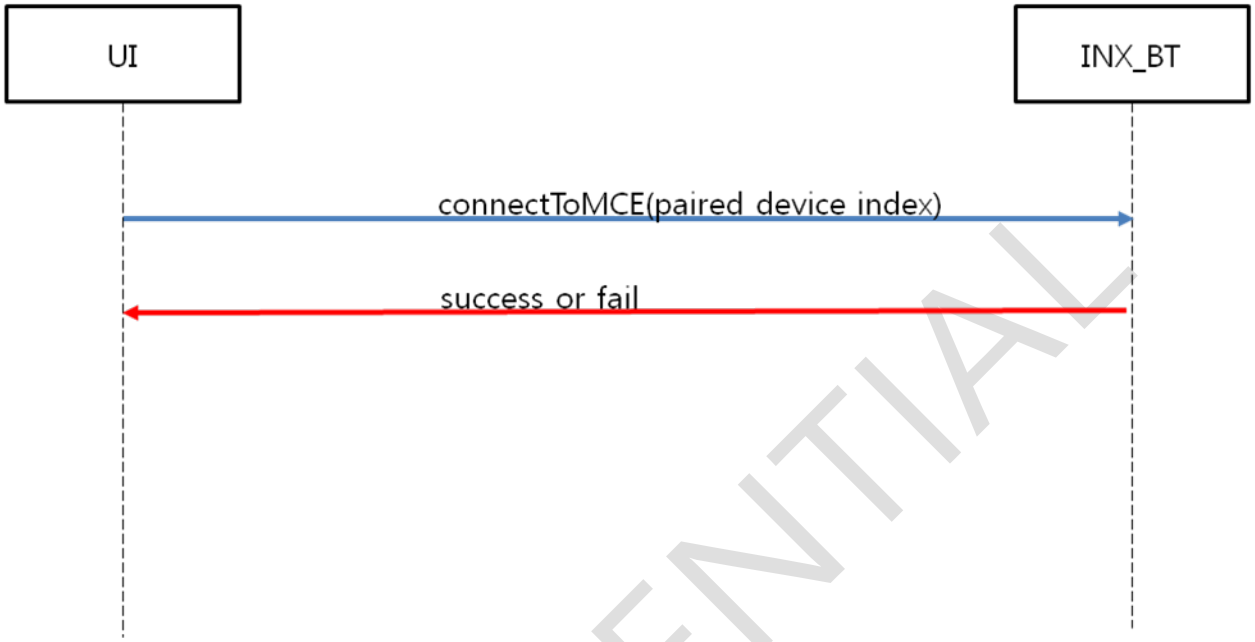


2.4.5 Get a call log

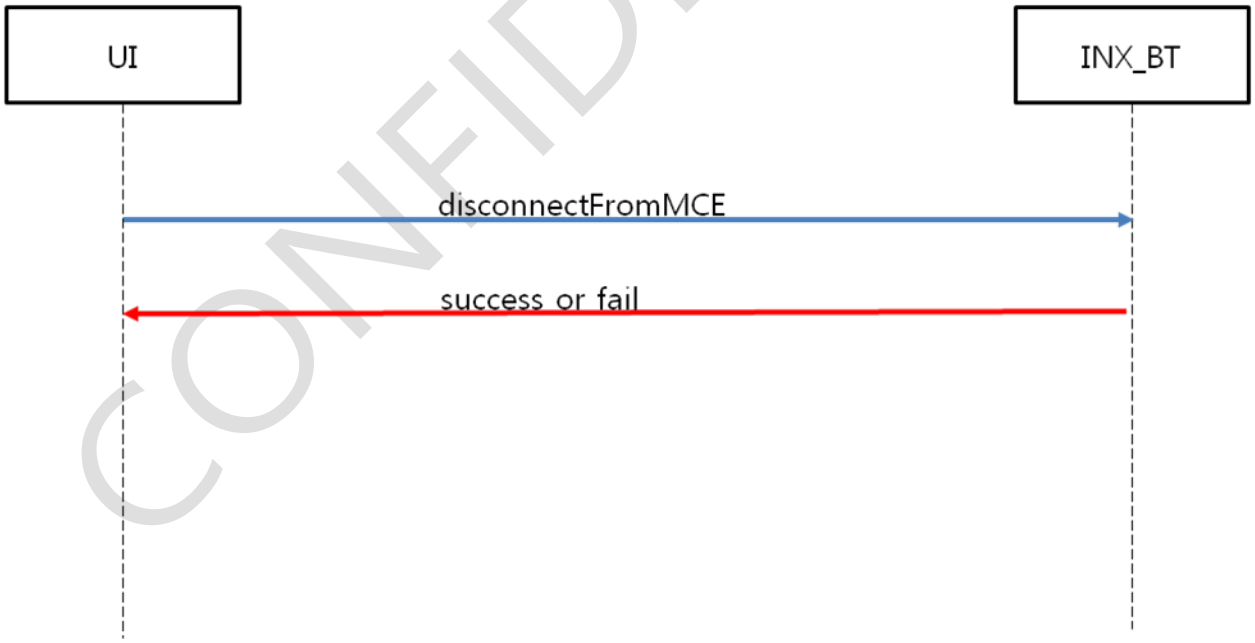


2.5 MCE functions (MAP)

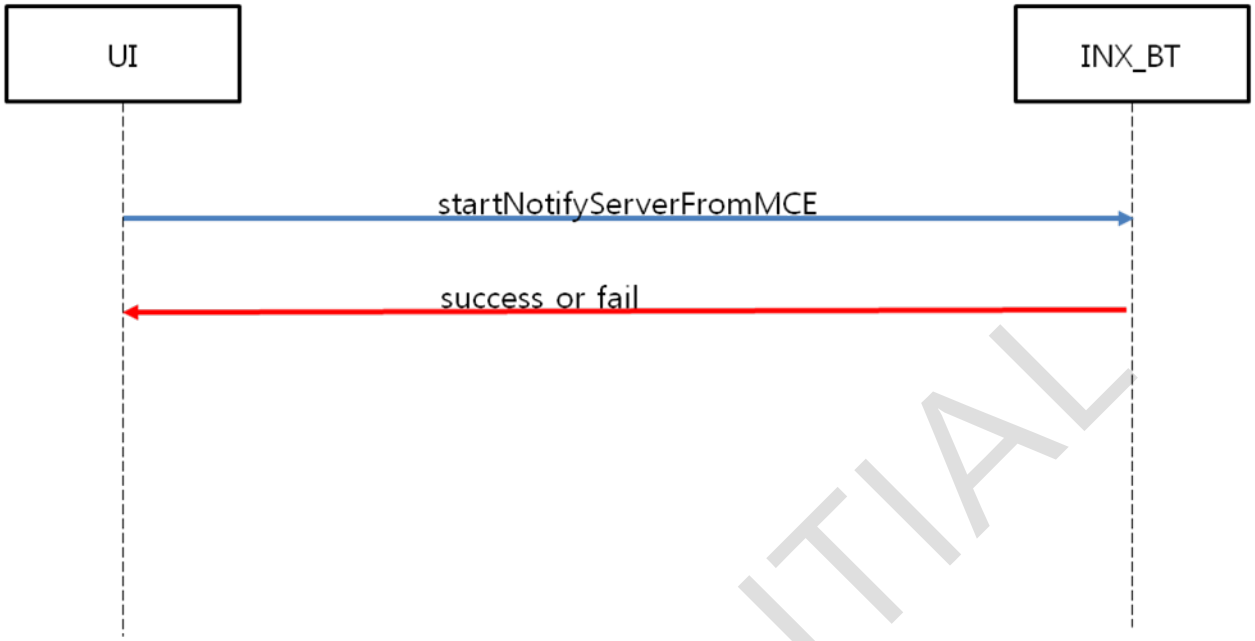
2.5.1 MCE connection



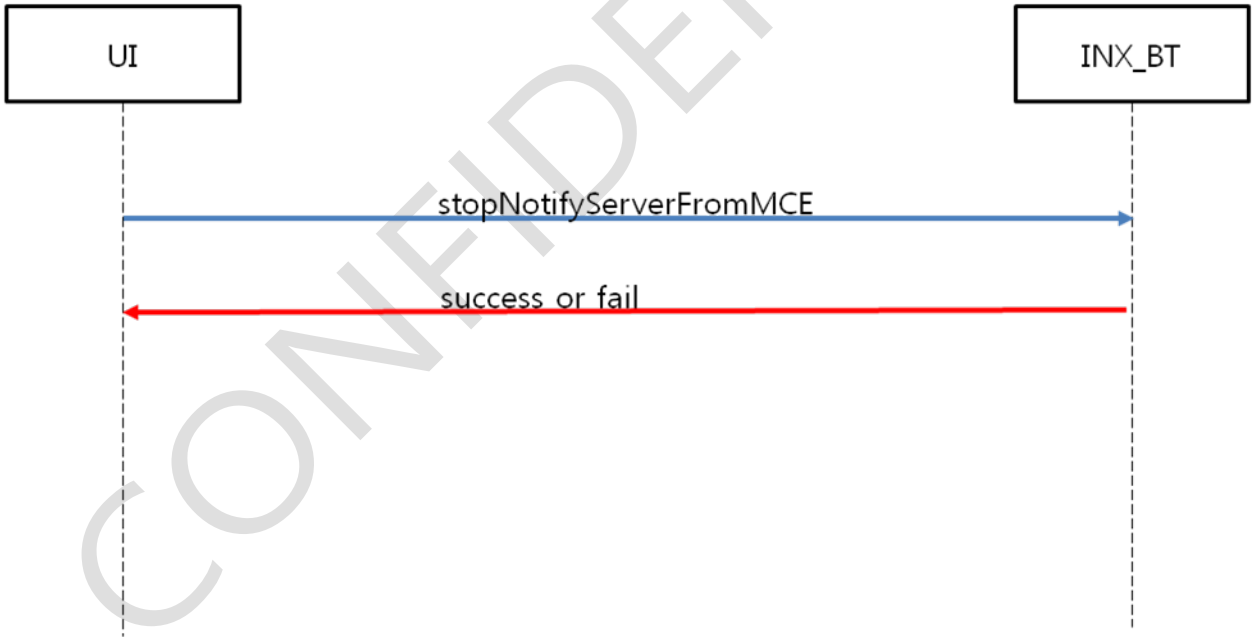
2.5.2 MCE disconnection



2.5.3 Start MNS



2.5.4 Stop MNS



2.5.5 Get latest received message