



REFERENCE DOCUMENT

BLUETOOTH LOW ENERGY (BLE) RANGE-SETTING PROCESS

1.0 Introduction

This reference document offers instructions on how to field-adjust the BLE read range of CONEKT[®] mobile credential readers using a physical or digital BLE Range Setting control card.¹

2.0 Digital Control Card

To use a digital BLE Range-Setting control card on a smartphone, Farpointe's Conekt Wallet app must be downloaded first. The Conekt app can be found at the Apple[®] App Store or Google[®] Play Store. Please follow these steps to download the Conekt mobile app and the digital BLE Range-Setting control card.

A. Install and Activate the Conekt Wallet App

1. Download the Conekt app.
2. Register the smartphone by entering your phone number when prompted.
3. Enter the token code received via text. The Conekt app is now activated.

B. Download the Range-Setting Control Card

1. Open Conekt App.
2. Press the '+' sign in the top-right corner.
3. Enter the registration key² included with the ship kit, by scanning the QR code or by inputting the 16-character key.
4. Within 30-45 seconds the control card will be ready to use.

3.0 Adjust the BLE Read Range of a Conekt Reader

These steps are identical for both physical and digital control cards. If a physical control card is required, please contact Farpointe's customer support department.

1. Cycle power to the reader.
2. When power is restored, within 10 minutes, present a physical or digital BLE Range-Setting Card to the reader.³
3. Reader will respond with a beep(s) acknowledging the BLE Range-Setting Card. The control card can be presented multiple times to the reader to reach the desired BLE read-range mode. With each subsequent presentation of the card to the reader, the reader will respond with incremental beeps (1 through 5 beeps) indicating the read-range setting. See the following chart:

BLE Read-Range⁴ Modes

Beeps	Mode	BLE Read-Range
1 Beep	Short Mode	Up to 1 foot (304.8 mm) (Default) ⁵
2 Beeps	Medium Mode	Up to 3 feet (914.4 mm)
3 Beeps	Long Mode	Up to 9 feet (2.7 m)
4 Beeps	Max Mode	Up to 15 feet (4.6 m)
5 Beeps	Presentation Mode	Tap and Go (contact with reader) ⁶

NOTES:

- ¹ Only the BLE 2.4-GHz performance can be adjusted and not the additional card technologies supported (125-kHz or 13.56-MHz).
- ² Registration key to download the mobile control card can only be used once. If another digital control card is required, or if a physical control card is preferred, please contact Farpointe at support@farpointedata.com.
- ³ Readers allow for updating within 10 minutes of power up. After 10 minutes, reader will need to be cycled power once again in order to configure.
- ⁴ Please note that all mobile devices are designed differently, and read ranges may vary due to component differences, BLE signal strength, phone make and model, phone cases, and other environmental factors. Observed read ranges may be shorter or longer than those indicated in this chart. Please contact Farpointe's Customer Support for best practices and recommended phone presentation orientation.
- ⁵ Default BLE Read-Range Mode for Conekt mobile-ready readers is in the Short Mode.
- ⁶ Presentation Mode is only available on CSR-Series readers. PCR-Series readers do not have a Presentation Mode.

