Daikin Shared Data Loader User Manual

The Daikin Shared Data Loader can be used to load shared data onto Daikin branded compatible communicating equipment. It can be reprogrammed in the field to hold any set of shared data using the Shared Data Loader app and compatible mobile device.
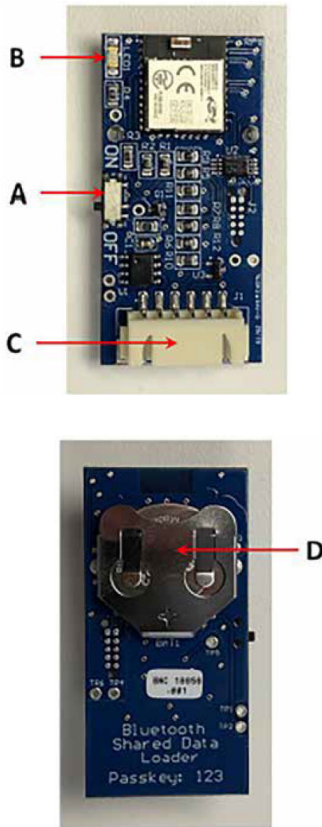
To order the Bluetooth® Shared Data Loader (**part # BTSDL01-D**) please contact your Daikin Parts Customer Service Representative.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc., and any use of such marks are under license.

Contents

Bluetooth Loader Features

A. **Power Switch** - Can be placed in the ON or OFF position. The device must be powered on to program Shared Data from the compatible Daikin Shared Data App and to load Shared Data onto any compatible equipment.

B. **Status LED** – Will blink periodically when the device is powered on. The Status LED will blink once every 4 seconds when the device is powered on normally. The Status LED will blink 3 times in quick succession to indicate the battery is low and will need to be replaced soon.

C. **Shared Data Loading Connector**

D. **Battery/Battery Slot** – Accepts a CR2032 3V coin cell battery. A battery is needed to power the Bluetooth® loader independently. One-coin battery is provided in the packaging. Ensure the positive side is facing up and slide the battery into the battery slot.

Setup

Before using the card, download the Daikin Shared Data App for iOS in AppStore or Android in Google Play. Be sure to register for an account before continuing.

Apple, the Apple logo, iPhone, and iPad are trademarks of Apple Inc., registered in the U.S. and other countries and regions. App Store is a service mark of Apple Inc.

Google Play and the Google Play logo are trademarks of Google LLC

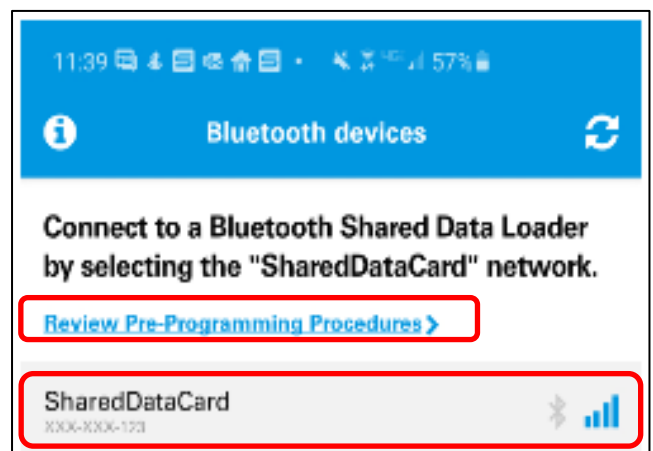Reprogramming equipment is a 2-step process:
1. Loading the program onto Daikin Bluetooth Data Loader.
2. Loading Shared Data onto Daikin Compatible equipment.

Loading the program onto Daikin Bluetooth Data Loader

Connecting to the Device

Turn the Bluetooth® Shared Data Loader on by switching the Power Switch to the **ON** position. The blue Status LED should begin flashing periodically. The **Daikin Shared Data app** will detect the new Bluetooth® network and display **"SharedDataCard"** as an available network. Tap on this network to connect.

You can also **Review the Pre-Programming Procedures** from this page.
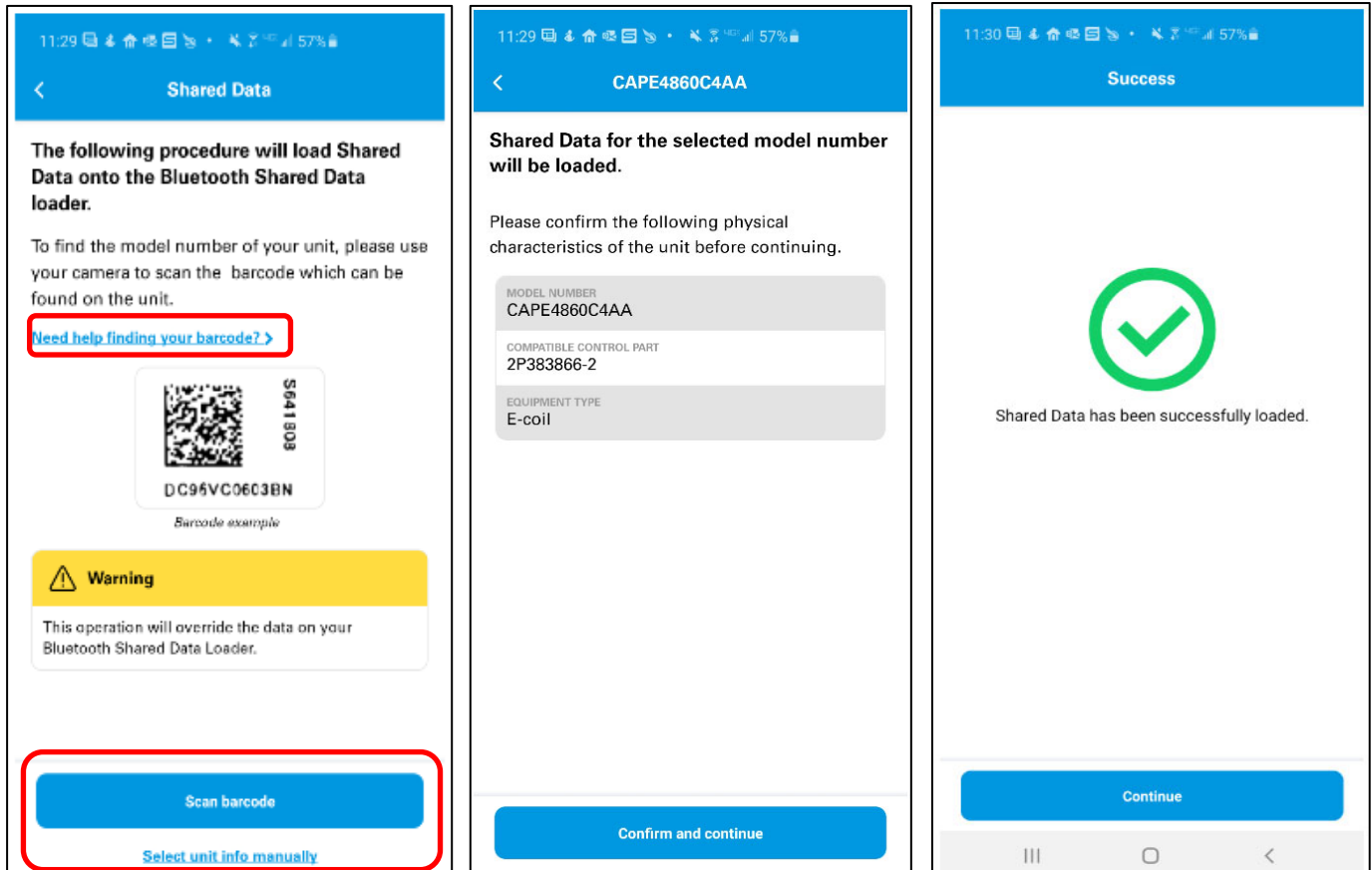
Reprogramming Shared Data

The appropriate Shared Data can be selected by either scanning a barcode found on the unit using the phone camera, or by typing in the model number of the unit. If possible, scanning the 2D barcode is recommended to get the most accurate results. If this barcode is faded, damaged, or cannot be found, then it will be necessary to enter the model number manually.

The 2D barcode can typically be found somewhere inside the unit. If you are having trouble locating the 2D bar code, you can click the **"Need help finding your barcode?"** link which will show where to locate the barcode on products.

After scanning or manually selecting the desired model number, review the information on this screen is correct, then click "*Confirm and Continue*" to program the selected Shared Data onto the card.
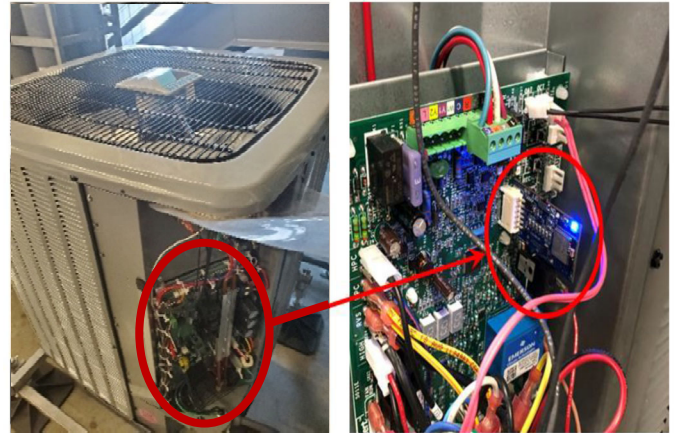
If the information shown on the confirmation screen does not look correct, it may be necessary to choose a different set of Shared Data. Return to the previous screens and ensure the model number provided in the app is correct.

The app will then present a confirmation screen once loaded.

3

Loading Shared Data onto Daikin Compatible Equipment

When loading Shared Data from the card onto a **Daikin** unit, first turn off power to the HVAC system and insert the card into the Shared Data loading connector on the control board of the unit. When plugged into the unit, the card must be powered on to function properly. A flashing blue light is an indicator that the Bluetooth® data loader is working.

With the card plugged in, power on the HVAC system and allow 30 seconds for the Shared Data loading process to complete. When complete, power the equipment **"off"** and retrieve the card from the unit. Turn power **"on"** to the system and confirm that the Shared Data loading process was successful, and that the system is operating normally.

Additional Notes

What is Shared Data?

There are many different models of Daikin equipment offered under various platforms; however, all these models use only a small handful of control boards. To make sure each control board can work inside its intended chassis, we load each board with a small amount of chassis-specific data when the equipment is assembled.

When the equipment is installed, this chassis data is copied over to any other connected communicating equipment and saved there in case some parts need to be replaced at a later date. Because this data is shared by other equipment on the same network, we call it "Shared Data."

This means if only one part needs to be replaced in a system, it's likely the Shared Data will automatically be loaded from the existing equipment. However, if multiple parts need to be replaced all at once and the system loses all the places where this Shared Data is stored, Shared Data will need to be reloaded to make sure the freshly installed parts are compatible with the existing equipment.

When is it Necessary to Load Shared Data?

In short, if a unit reports a d0, d1, or d2 fault code, it will be necessary to load Shared Data from the card.

One of these fault codes may be generated by a unit after some parts of the equipment are replaced. After a system is powered on for the first time, there are two or three places where the Shared Data for the entire system is stored. Shared Data is always stored on the **indoor unit control board** and the **indoor blower motor**. If the outdoor unit is wired in communicating mode to the indoor unit (i.e. wired using the 1-2-R-C connector), then Shared Data for the system is also stored on the **outdoor control board**.

Shared Data will only need to be replaced if all sources of Shared Data on a system are replaced at the same time.

Loading Shared Data can be avoided by replacing only one of these parts at a time and powering up the system after replacing each part.

FCC Statement

This Device Contains Transmitter Module FCC ID: QOQB-GM111; IC: 5123A-BGM111.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. Any Changes or modifications not expressly approved could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter meets both portable and mobile limits as demonstrated in the RF Exposure Analysis.