



The CTR BT 01 Bluetooth interfaces with Raffel Systems power recline controls. It allows full connectivity to the end user to control functions of a power recline chair using a variety of Bluetooth enabled devices such as cell phones, tablets, and laptops.

Feature Controls:

Power Head Rest, Lumbar, Recline, and Home position

Memory One – User 1



System of Components:

Operation:

The app to be used with Raffel Systems BLE enabled devices can be downloaded from both iTunes and Google Play stores. The app is titled “Raffel Seat” and can be seen in **Figure 2-1** below:

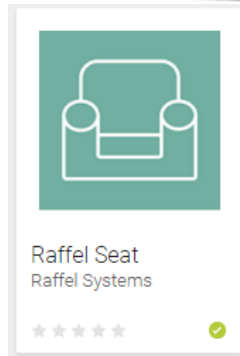


Figure 2-1: “Raffel Seat” app by Raffel Systems, LLC.

This app can be downloaded to any BLE enabled device i.e. cell phones, tablets, and laptops.

To begin operation, enable Bluetooth functionality on your device, then open the “Raffel Seat” app shown in **Figure 2-1**.

Select the desired device to control from the dropdown menu shown in **Figure 3-1** below:

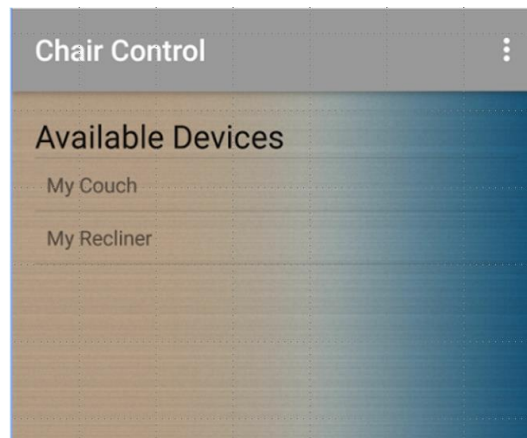


Figure 3-1: List of available BLE-enabled devices.

Once you have selected your device and are connected, you will see a screen titled “Recline.” This screen is used to control the power motion actuators of the chair. Depending on the Raffel product connected, you will see either a mix or all of the Raffel motion functions including Power Recline, Headrest, Lumbar, Home, Memory User 1 and Memory User 2. A more complete description of functionality can be seen as follows:



Head Rest, Lumbar, and Recline Functions

Depress the desired icon for Head Rest, Lumbar, and Recline to either open or close to the desired position and release to stop.

Home icon



The purpose of the Home icon is to fully reposition the Head Rest, Lumbar, and the Recliner to the fully seated position.

Depress and hold the Home icon to reposition the chair until fully seated position. Release icon to stop at any time.

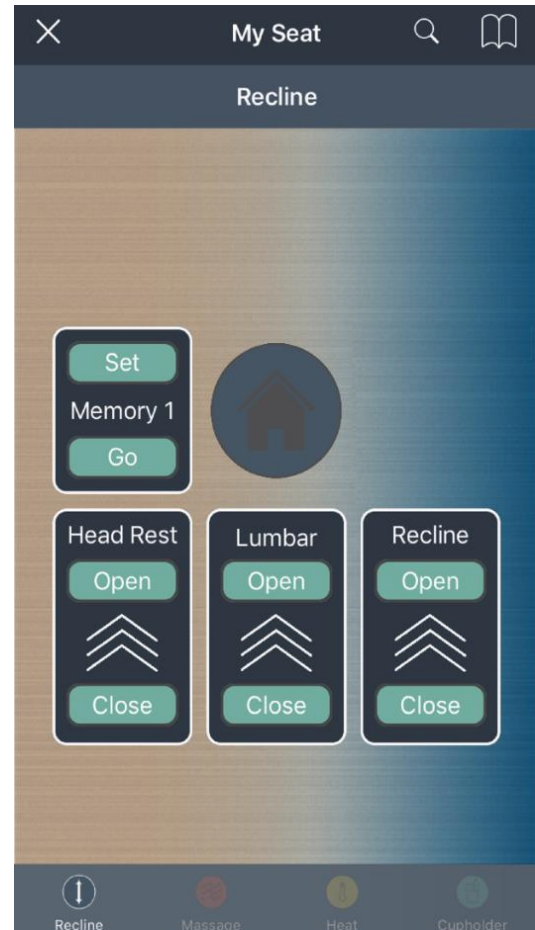
Set Memory 1 Position

Depress the Open and or Close icon to the desired position for user 1 for all three functions i.e. Head Rest, Lumbar, and Recline. Then depress and release the Set icon for Memory 1. Chair movement will indicate that Memory 1 has been set.

Press and hold the Home Icon until the chair is in the fully seated position. Depress the Memory 1 Go icon and the chair will reposition to the set Memory 1 position automatically.

Disconnect

Depress the X in the upper left hand of the screen to disconnect control to the chair; upon disconnect, the user will be taken to the screen showing a list of available devices (shown in **Figure 3-1**).





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FCC and IC Statement:

This equipment has been tested and found to comply with the limits for Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (2) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

To comply with FCC RF exposure limits for general population/uncontrolled exposure, the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

To comply with ISED RF exposure limits for general population/uncontrolled exposure, the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

This Device complies with Industry Canada License-exempt RSS Standard(s). Operation is subject to the following two conditions: 1) this device may not cause interference, and 2) this device must accept any interference, including interference that may cause undesired operation of the device.

Note: Modifications to this product will void the user's authority to operate this equipment.



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WARRANTY PAGE

Limited Warranty

Raffel Systems, LLC warrants this product (including any accessories) against defects in material and workmanship for a period of 12 months from the date of the first consumer purchase. This warranty is enforceable only by the original purchaser only. ALL DAMAGED OR MISSING PARTS MUST BE REPORTED WITHIN 14 DAYS OF PURCHASE.

This warranty covers all defects in material and workmanship in this product, but **DOES NOT COVER** the following.

1. Damage, deterioration or malfunction resulting from:
 - Acts of God, accident, misuse, abuse, negligence, improper installation, maintenance, improper operation, or failure to follow the instructions contained in this Owner's Manual.
 - Any damage in the shipment of the products.(Claims must be presented to the carrier) Repair, attempted repair, or modifications done by anyone other than Raffel System technicians.
 - Any unit which has been modified or attempted to be modified or altered in anyway whatsoever.
2. Normal wear and periodic maintenance.
3. Any unit used for industrial or commercial purposes (including rental).
4. Products sold AS IS or WITH ALL FAULTS, or consumables (such as fuses, batteries, etc).
5. Customer instruction installation and set up adjustments or signal reception problems.
6. Raffel Systems, LLC will repair or replace (at it's discretion) the units covered by this warranty, without charge to the consumer for labor or materials.

CUSTOMERS ARE RESPONSIBLE:

- FOR INITIAL SHIPPING CHARGES. However, Raffel Systems will pay the return shipping charges to any destination within the USA if repairs are covered by the warranty.
- TO OBTAN WARRANTY SERVICE, please call Raffel Systems Service Center.
- REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. RAFFEL SYSTEMS SHALL NOT BE LABEL FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESSED OR IMPLIED WARRANTY ON THIS PRODUCT.EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTIES,INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE LENGTH OF THIS WARRANTY.