Product Specification

Bluetooth Wireless Adaptor

CA-BT1

*Confidential Cyber Acoustic Proprietary Information **

Contents

Bluetooth Wireless adaptor

1.   Introduction

This is a wireless Bluetooth adaptor (receiver); provides a convenience way to stream music to most of your speaker system or home stereo system though the adaptor.

Commonly used 3.5mm jack or RCA jack to connect the adaptor with your speaker system.

Compatible with most smartphone, tablets and laptops with Bluetooth technology.

2.   Purpose and Scope of Document

This document is to define the features and configuration of product detail. This is also a guideline to ensure all the feature, function and design concept can be achieved throughout the development stage and implement on final product.

3.   Standard Features and Functions

3.1 Tiny and compact Bluetooth wireless adaptor

3.2 Power on/off switch & pairing button

3.3 LED power indicator

3.4 Two different output interface: RCA & 3.5mm jack

3.5 DC jack

4.   Product Detail Specification & Requirement for Development

4.1   Bluetooth Module: **F-6188** (with QDID: **B022176**)

    4.1.1 Bluetooth IC: BEKEN-BK8000L

    4.1.2 Bluetooth version: 3.0

    4.1.3 BT device name : **CA-BT1 Adaptor**

    4.1.4 Support codec: SBC

    4.1.5 Bluetooth profile: A2DP

4.3   Adaptor output rating: 5VDC 150mA **(switching adaptor)**

4.4   3.5mm to RCA cable: 1.5M (-0%; +20%)

5.   Industrial Design, Product Dimension, Silkscreen & Finishing Detail

5.1 Industrial Design

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to 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 into an outlet on a circuit different from that to which the receiver is connected.
· Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

The device has been evaluated to meet general RF exposure requirement.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

6.   Packaging Design & Requirement

  6.1 Packaging Design

     Gift box with blister inside

  6.2 Packaging Requirement

     6.2.1 Master Carton (AB fluted Double layer corrugated cardboard with bursting strength over 150psi);

     6.2.2 Inner Carton (B fluted Single layer corrugated cardboard with bursting strength over 80psi);

     6.2.3 Packaging contents includes: Bluetooth adaptor unit, power adaptor, cable, QSG

7.   Safety & Compliance

  7.1 RoHS Compliance

  7.2 California Prop. 65 for Lead content control (CP65)

  7.3 CPSC (16 CFR1303)

  7.4 FCC ID

  7.5 BQB

  7.6 Power adaptor (UL / FCC / CEC level 6)

8.   Appendix

  8.1 Revision History

Revision	Change History	Prepare By	Date
Rev:01	Initial release of CA-BTADP	Leo	2017/02/16
Rev:02	Model name updated CA-BT1	Leo	2017/03/06
Rev: 03	ID and detail spec updated	Leo	2017/03/22

  8.2 Bluetooth Pairing behavior

- BT device name shown as "*CA-BT1 Adaptor*"
- Press the Bluetooth pairing button on the adaptor. It will initiate the pairing and the Blue LED will start blinking (for first time users, the pairing process will be initiated automatically).
- Turn on the Bluetooth (on your source device) and scan for the name "*CA-BT1 Adaptor*". Select and connect to it.
- The Blue LED will turn into steady blue if the connection is success.
- Press and hold the switch off the adaptor.

~END~