Car MP3 player with FM Transmitter

Quick Guide

Caution and Notes before using

- Operating the MP3 player while vehicle is in motion can lead to a serious accident. Make selection only while stopped.
- Due to using the FM frequency, there may be some additional noise.
- This product does not include any onboard storage.
- You need a SD/MMC memory card to play MP3 music.
- This unit will only play/support songs that are in the mp3 format.
- Do not disassemble, repair, or modify the unit. It may cause damage or an accident.
- Keep away from heat or flame and humid environments.
- To avoid risk of electrical shock, do not plug or unplug the unit with wet hands.
- Keep the unit out of the reach of young children. If a child swallows the battery, cover, screw, or other small parts, consult a doctor immediately.

Product Shape

Play/Pause	Play/Pause mp3 file
Vol	Volume Up or Down
FWD.+	Select the next file
BWD.-	Select the previous file
Display Screen	Display Status

Function	Main Function Select
Line in	Audio line in
Card Slot	SD/MMC Card Slot
USB Link	USB Connector

Billionton Systems Inc.

1.Introduction

    The CARMP3Q uses the SD memory card interface and USB interface with MP3 decode and LCD dispaly for this product. That is application single-chip solution for an MPEG layer 3 audio decodes. User can store the mp3 file in the USB flash disk with SD memory card. When the SD/MMC or USB flash disk plug in slot that can auto play. There are five EQ mode and repeat mode preset. When CARMP3Q read the mp3 file from USB flash disk or SD memory card, it can transmit audio signal to the FM stereo transmitter that consists of a stereo modulator for generating stereo composite signals and a FM transmitter for broadcasting a FM signal on the air.

2.Features

- USB 1.1 Host compling with USB storage class spec.ver.1.0.
- Supports the SD/MMC card.
- Search for whole disk (MP3 File)
- Input button for Play (Pause), Previous, Next, Function, Volume + and Volume – .
- Supporting sampling frequency 48, 44.1, 32, 24, 22.05, 16 KHz.
- Accepts data rate from 32Kbps up to 320Kbps, including VBR
- Supports VBR (variable bit rate) for MP3.
- Supports repeat song: one song repeat, all, random.
- Supports 5 EQ mode: Jazz, Rock, Bass, Normal and Class.
- Supports any key turn on back light function.

3.Specification

- Antenna: Built-in.
- Resume-like function: start from the same song, which played before power-off.
- Power: DC12V using Cigarette Jack.
- Audio Output: FM Output
- Line in: Audio input.
- Play Button: Play (or Pause) MP3 music.
- Next Button: Play next song.
- Previous Button: Play Previous song.
- Volume + Button: Volume increase.
- Volume – Button: Volume reduces.
- Function Button: (a) Change repeat function, (b) EQ mode, (c) transmitter frequencies.
- Supports 12 transmitter frequencies: 88.1, 88.3, 88.5, 88.7, 88.9, 106.7, 106.9, 107.1, 107.3, 107.5, 107.7, and 107.9.

4.Mechanical

Dimension: 155mm/39mm/26mm (L x W x H).

5.Certification

6.Environmental Operating Ranges

Operation Temperature Range : 0° ~ 55° Celsius **.**

7.Power Consumption

Use USB devices: 117 mA
Use SD Card: 84 mA
CarMP3Q idle: 58 mA

8.LED Indication

LED indicator to show access status
Light Flashing: playing CarMP3Q
Light always bright: Pause CarMP3Q

9.Drivers support

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FCC Caution

1. The 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.

(2)This device must accept any interference received, including interference that may cause undesired operation.

2. **C**hanges or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.