

# Bluetooth Adapter

## FSC-BP409 Specification



**FEASYCOM**

### 1. Overview

The Feasycom FSC-BP409 is a Bluetooth audio transmitter supporting classic Bluetooth and LE Audio, supporting Bluetooth 5.3 and equipped with USB 2.0 interface. The USB of BP409 can be driven-free under windows/linux/ios system, and USB will be recognized as a composite device of USB audio input/output device and USB virtual serial port, which can be configured with basic functions by pressing buttons or through USB virtual serial port. The name of USB device is FSC-BP409.

LE Audio of Bluetooth adapter can operate in broadcast synchronous stream (BIS) mode and connected isochronous stream (CIS) mode.

BIS is a one-way communication protocol that allows one or more audio streams to be broadcast from a source device to an unlimited number of receivers that are not connected to the source. The device is equivalent to a gateway, which receives audio data from an external source USB and forwards it to one or more earphones supporting LE Audio. There is no specific limit on the number.

CIS is a two-way communication protocol that allows independently connected audio streams to be sent from a source device to one or more receivers. FSC-BP409 can be used as a gateway, which can use the left and right ISO channels to send audio data at the same time, allowing stereo synchronous playback.



Picture

## 2. Features

- Support Bluetooth 5.3, and backwards compatibility Bluetooth 5.2/5.1/5.0/4.0/3.0/2.1/2.0.
- Support drive-free under Windows/Linux/iOS system.
- Support LE Audio /HFP /A2DP protocols, etc.
- Support classic Bluetooth and LE Audio to work at the same time.
- Can be used with Bluetooth speakers/Bluetooth headsets/mobile phones/tablet PC and other devices.
- LE Audio works in broadcast synchronous stream (BIS) mode, and supports multiple LE Audio headphones, with no specific number limit.
- The transmission distance can be up to 100 meters.
- Ultra-low delay 20ms

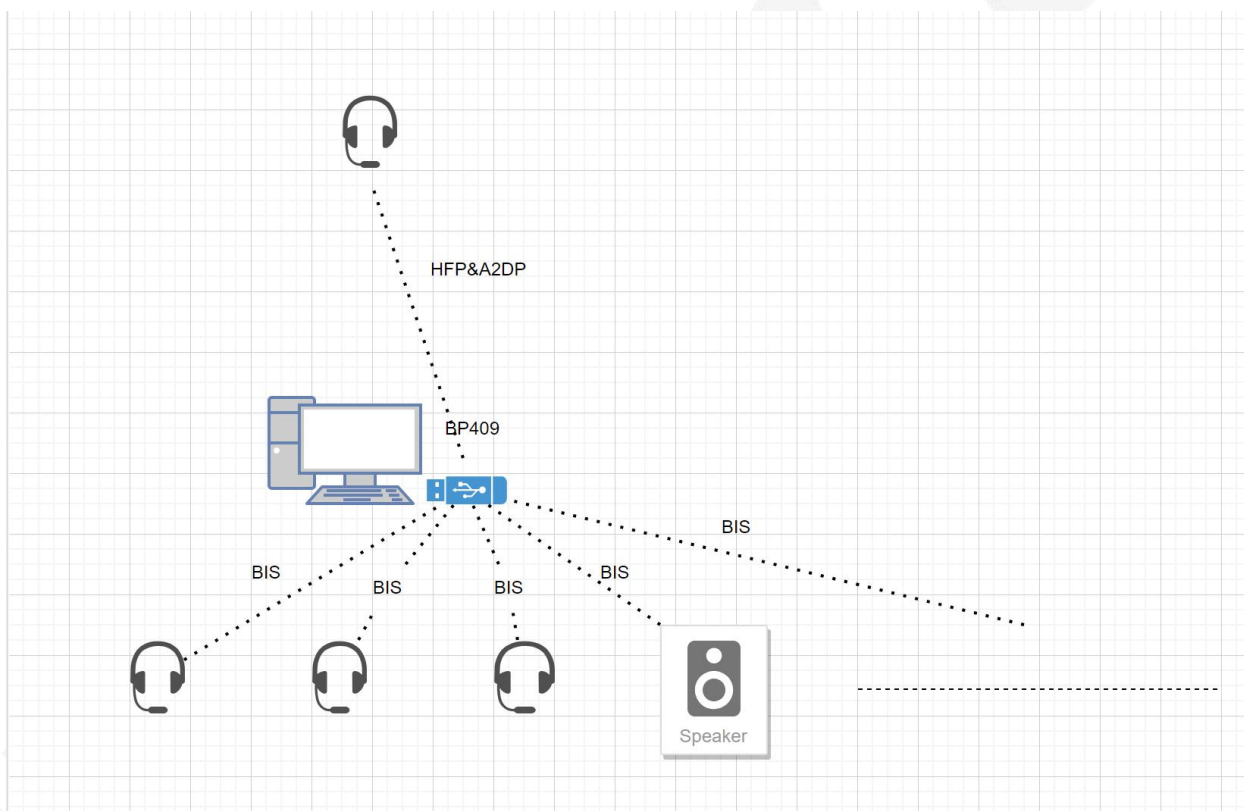
## 3. Basic Parameter

Specifications	Description
Chipset	nRF5340+CSR8811A+PA
Bluetooth Version	Bluetooth 5.3
Working Frequency	2.4 GHz
Transmission Speed	2 Mbps
Transmission Power	+20dBm
Transmission Distance	Up to 100 meters
Antenna	Built-in dual antenna
Power Supply	USB
Supply Voltage	5V
Interface	USB2.0 A male
Colour	black
Protocol	LE Audio/HFP/ A2DP
System Compatibility	Support Win7/8/10/11
Device Name	FSC-BP409
Operating Temperature	-40~85°C
Storage Temperature	-40~85°C
Indicator light	Red, green and blue
Button	Single button

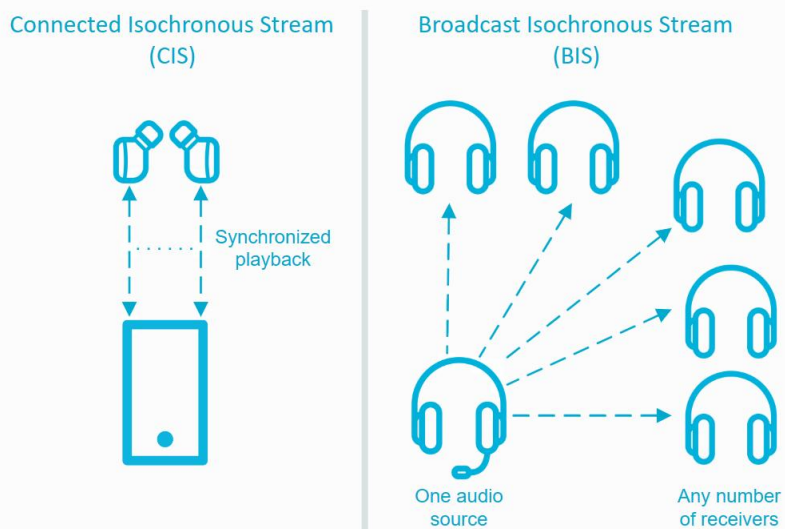
## 4. Packing List

- FSC-BP409 x1
- Instruction x1
- Warranty card x1

## 5. Product Connection Diagram



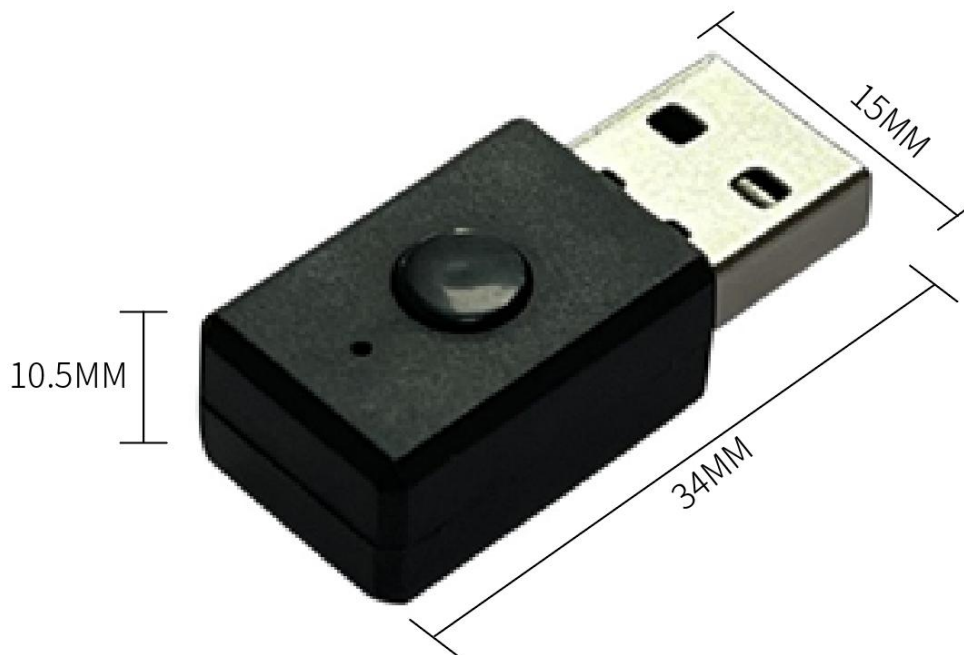
HFP&A2DP LE Audio



CIS and BIS mode overview

## 6. Dimension

The shell size is 34MM in length, 15MM in width, and 10.5MM in height.



## 7. Statement

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If necessary, please contact Feasycom or visit <https://www.feasycom.com/> to get more relevant information.

## 8. Contact Information

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## 9. Revision History

Version	Changes	Author
1.0	Initial Release	MO