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IDC747 MODULE PRODUCT BRIEF

VERSION 1.1

REF: CORP-IDC747PRESQ-001



Introduction: IDC747 Facts

- Bluetooth 5.2 FCC/CE/Bluetooth Certified Audio Module with a size of 11.8mmx18mm and integrated Antenna.
- Controlled via simple commands over a UART interface making it easy to use and program.
- Can simultaneously connect to multiple devices with a live Audio and Data connection with each.
- Can be a Bluetooth Audio transmitter and receiver. It can receive Music, Phone Calls and send Data over Low Energy Bluetooth.
- Has Analog and Digital Interfaces (I2S, PCM) for Audio transfer and can use high end codecs like aptX and aptX-HD, for Audio.
- Ideal for any type of application requiring Bluetooth Audio and can be customised to fit any complex scenario.

IDC747 Module

Bluetooth 5.2

Simultaneous BLE Data and Classic Audio

Connects Data/Audio to All Mobile Phones, Tablets, Laptops and Other Bluetooth Devices



IDC747

Bluetooth 5.2

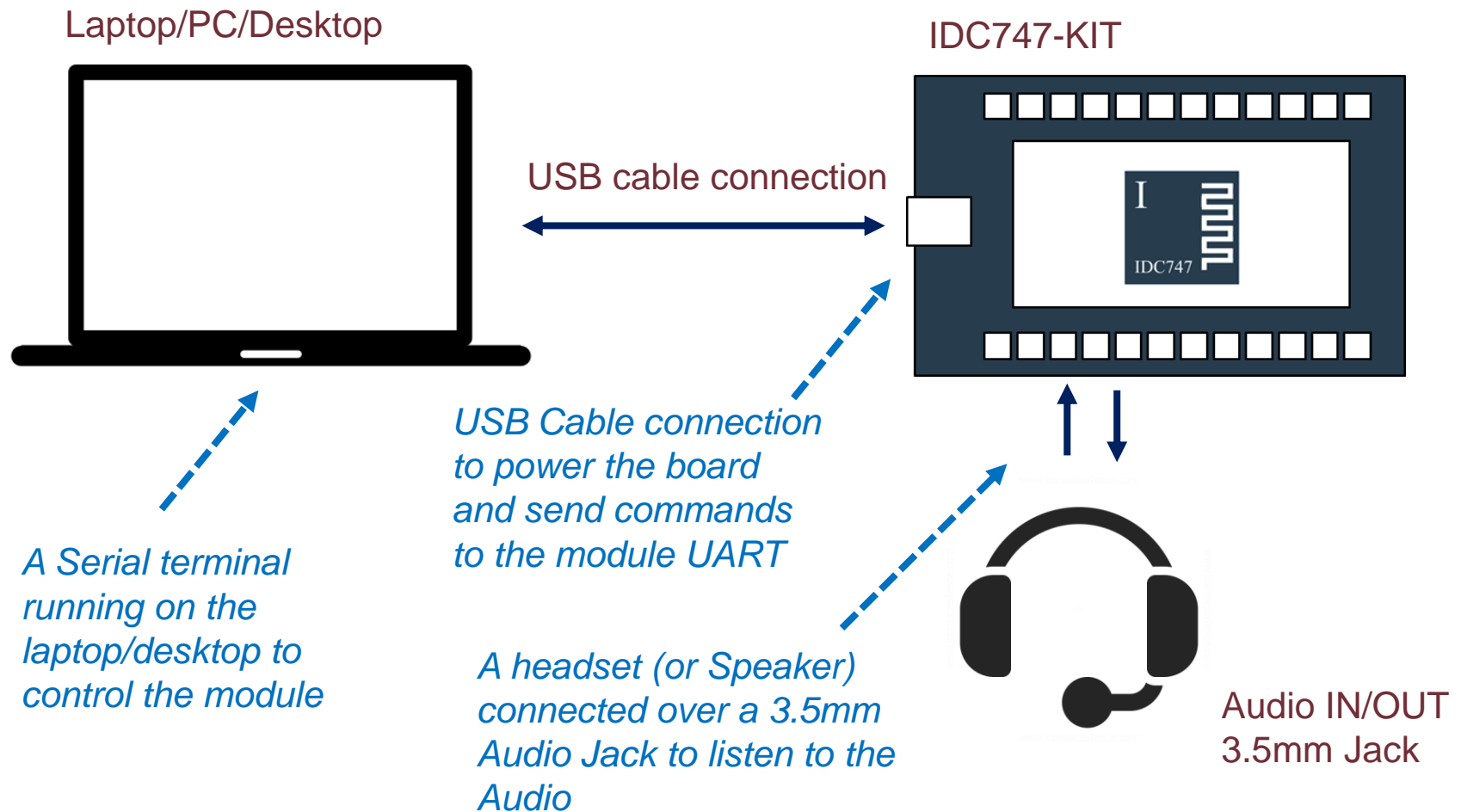
Classic Audio

Classic and BLE Data

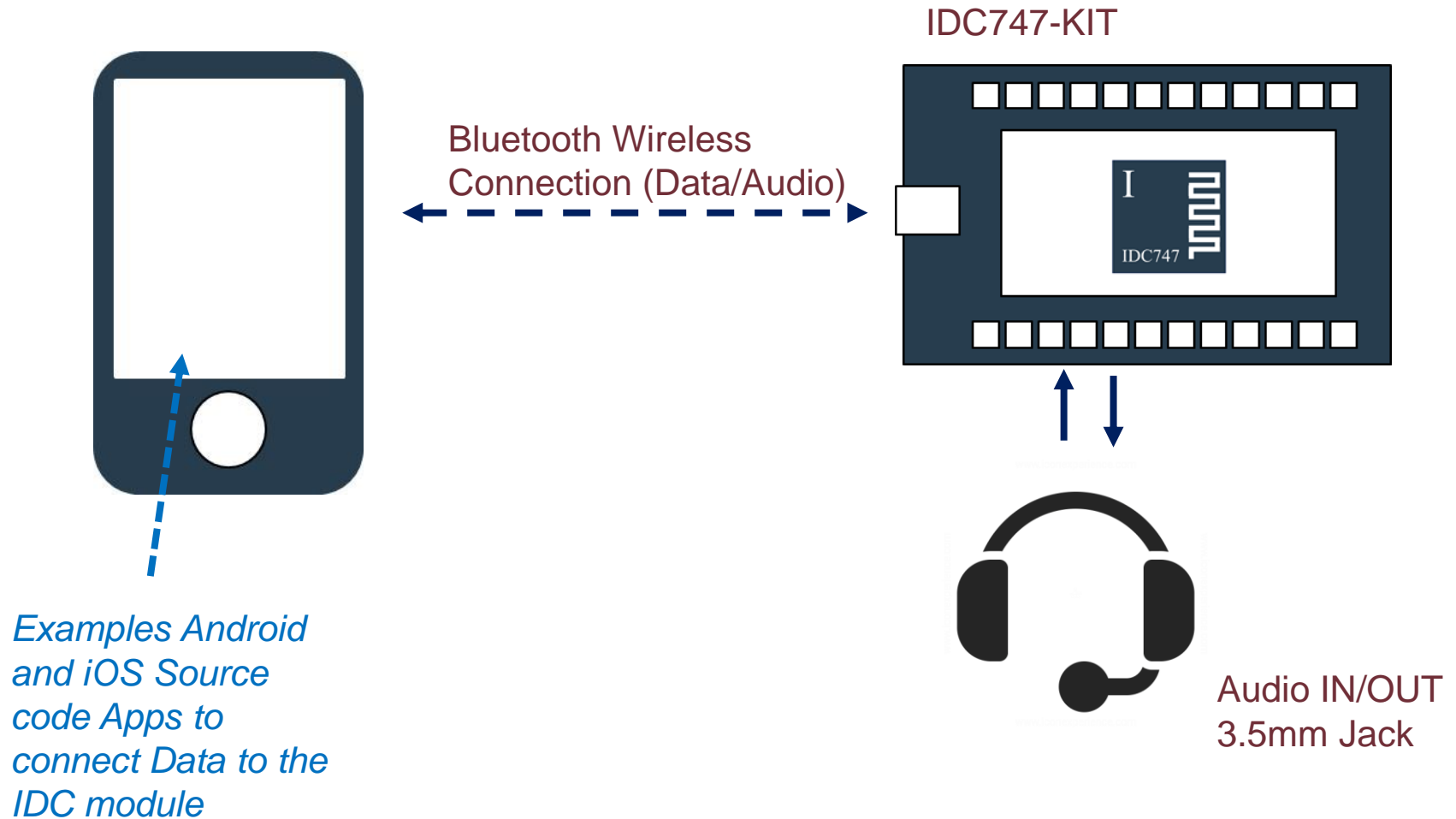
(Does not support LE Audio)

- Concurrent BLE and Classic 5.2 Bluetooth Module
- Simple UART commands
- Integrated Bluetooth Stack and Audio Management
- Classic Audio Receiver/Transmitter. Multiple Connections
- Classic and BLE Data Transmitter and Receiver
- Analog and Configurable Digital Interface (-96dB SNR)
- aptX, aptX-HD, SBC High Definition Audio Codec
- Power: <0.4mA Connectable <6mA music streaming
- I2S, PCM, UART, I2C, USB, IOs Interfaces
- Device Firmware Upgrade via UART or Bluetooth
- Small: 11.8mm x 18mm, Integrated antenna
- Industrial Grade

IDC747-KIT: Easy to Set-Up

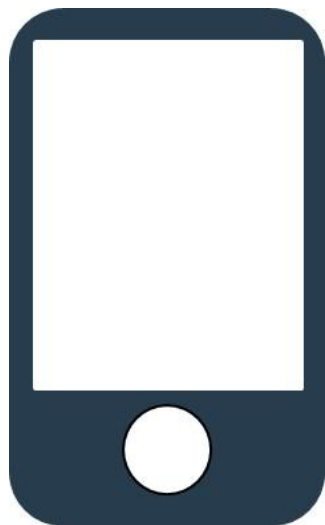


IDC747-KIT Connection to Apps



Example Use Case 1

Connection with one device for Classic Audio Receive and Bluetooth Low Energy (LE) for 2 way Data



Data LE connection for settings or other Data (song display, etc.) features

Classic Bluetooth aptX and aptX-HD for high end Audio



IDC can have simultaneous high end Audio and Data connection with a phone

*Smart Enabled
Siri, Google, etc.*



High-End Speaker

Example Use Case 2

Connection with 2 devices for Audio Classic 2 way
Audio Receive and Bluetooth Low Energy (LE) for 2
way Data

*Smart Enabled
Siri, Google, etc.*



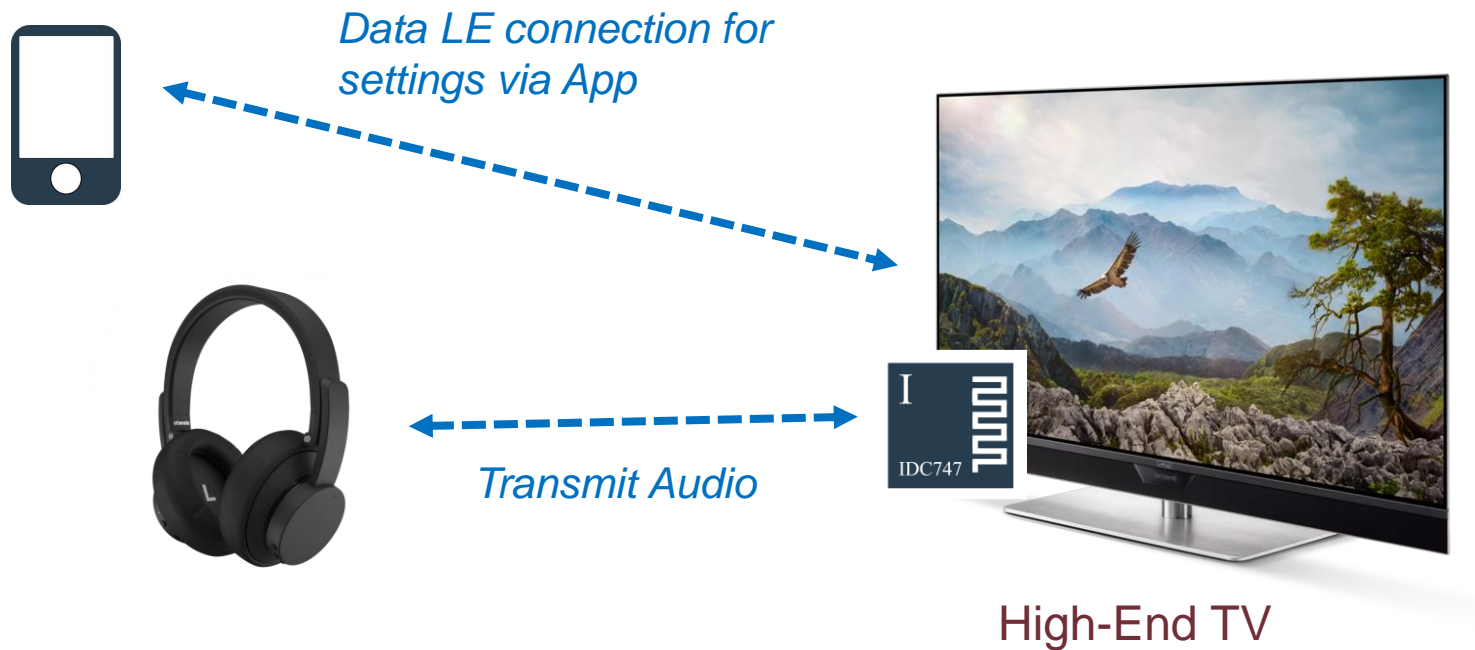
Example Use Case 3

Connection with 3 devices for Audio Classic 2 way
Audio Call and another device for Data and settings



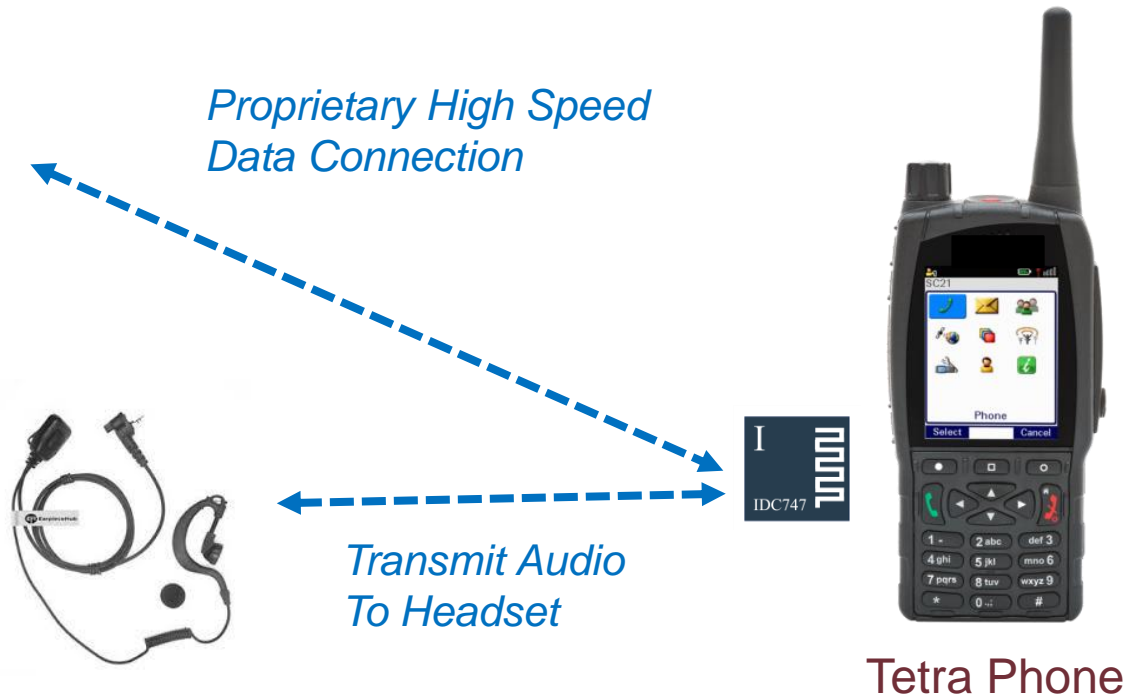
Example Use Case 4

Connection device for Audio Transmit Classic and 2 way Data for settings



Example Use Case 5

Connection device for Audio Transmit Classic and 2 way Data for settings



Thank You



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