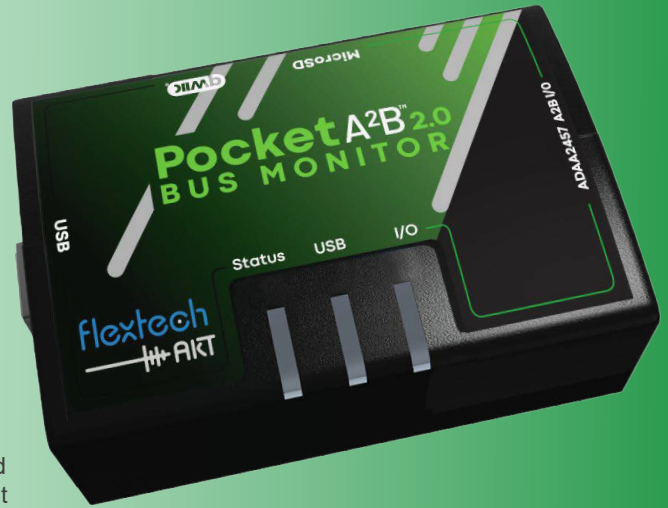


Pocket A²B™ 2.0 Bus Monitor



The ideal tool for debugging and monitoring traffic on your A²B system

The **Pocket A²B 2.0 Bus Monitor (AKT-1600-E)** is a high-performance diagnostic tool within the **Audio Kimura Technology** platform. It is designed to provide scalable A²B test options, ranging from initial product development to high-volume production environments. This device specializes in the **automatic capture and recording** of 2.0 bus communications, ensuring comprehensive visibility into bus data and audio streams

Features



Real-Time Non-Intrusive A²B 2.0 Bus Monitoring

- Supports AD245x Transceiver
- Capture all I2C and SPI bus activity
- SD Card for activity and data logging
- Option for Autonomous start up
- Small, light-weight, status LEDs



Graphical User Interface GUI

- Real-time display, search, and filtering of captured A²B data
- No annual license fees
- Bit-perfect capture and timing
- Capture I2C and SPI traffic
- Cross-platform support for:
 - Windows. Linux. Apple Mac



Support & Resources

- One-time purchase
- Firmware updates
- Detailed Quick-Start User Guide
- One year warranty
- Flextechakt.com



USB Bus Powered

- Portable
- No extra power adapters needed

Real-Time Visibility

- **Automatic Data Logging:** Automatically captures and records **A²B 2.0 bus communications, audio, and data** directly to an **SD card** for easy retrieval and analysis.
- **Audio Recording:** Features a **circular buffer** capable of recording up to **30 seconds of A²B audio**.
- **Customizable Analysis:** Includes a **customizable Bus Monitor GUI** that supports **plug-ins** to detect specific A²B 2.0 bus events and perform **protocol decoding**.
- **High-Performance Platform:** Utilizes Audio Kimura Technology to deliver a scalable solution for all levels of automotive audio testing.

Applications

A²B Bus monitoring on Infotainment and Audio Systems

Head Unit

ANC Systems

Voice Assistants

RNC Systems

E-Call A2B

Remote Tuners

Amplifier

Accelerometer

A2B Microphones



Pocket Automotive Audio Bus (A²B) 2.0 Bus Monitor

Specifications

Software

Graphical User Interface (GUI) Software -

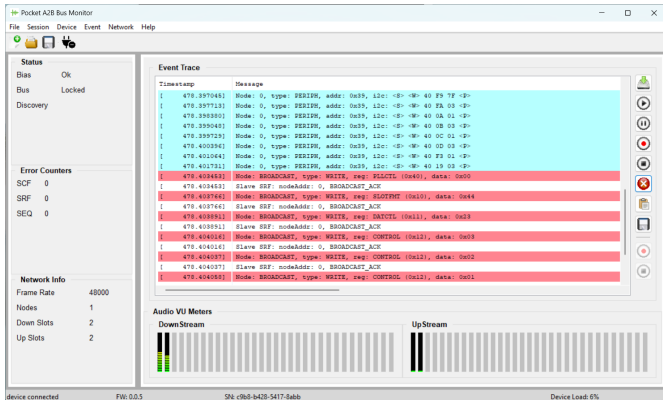
An included bus monitoring software application that displays captured A2B frames and I2C, SPI message traffic.

Graphical VU meters monitor and display Audio channels

Route and play audio channels to speakers

Operating Systems Supported (32-bit and 64-bit)

- Windows 10, 11
- Linux: Ubuntu 22.04
- Apple Mac



GUI

Hardware

Pocket Bus Monitor with Standard USB UAC 2.0 Interface

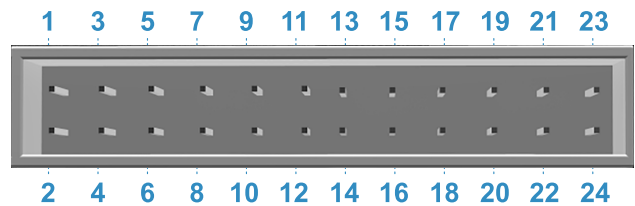
Target Data Monitoring

AD245x Transceiver

Cross-Over board with DuraClick sockets for direct connect to ADI Evaluation boards

24 PIN I/O connector harness with A2B and 2 GPIO lines

Pocket Bus Monitor I/O Header JST 24B-PHDSS



For more details on Pin Out see User Guide

DC Characteristics

Target Power: USB +5V, 350 mA max

GPIO Signal: 3.3V, 10 mA

Dimensions (W x D x L)

68 x 43 x 25 mm (2.7" x 1.8 x 1")

Weight

64 g (0.14 lbs)

Operating Temperature

0° C to 70° C (32° C to 158° F)

Ordering Information

A2B 2.0 Bus Monitor

Part Number AKT-1600-E

Country of Origin USA

HTS 8473.30.1180

ECCN EAR99