

# Pocket A<sup>2</sup>B™ 2.0 Bridge

## A<sup>2</sup>B 2.0バスシステムの開発とテストのための A2B2.0コントローラツール

USB経由でA2B 2.0バスのディスカバリやセットアップを制御したり、A2Bのメイン/サブノードをエミュレートできます。PCからUSB経由でコマンドとオーディオデータをやり取りしてADAA2457を動作させるのでとても便利です。開発時やテスト、検査装置組込のツールとして重宝します。お問い合わせは 立野電脳(株) sales@dsp-tdi.com



この写真はAKT-1150-E

## Features

A2B 2.0機器の開発、生産時の検査装置への組込み、システムデバッグなどの用途に使えるA<sup>2</sup>B™ 2.0バスのMain,Subノードのエミュレータです。2025年11月発売。お問い合わせは立野電脳(株) sales@dsp-tdi.com

- **Dual-Node Emulation:** Supports **full independent operation** of either A<sup>2</sup>B 2.0 Main or Sub node emulation, allowing for versatile bus simulation.
- **Integrated Testing Tools:** Features **built-in VU Meter and Signal Generators**, specifically designed for comprehensive **audio channel testing**.
- **AKT Automation:** Enables **autonomous bus configuration and discovery** immediately at power-up, reducing manual setup time.
- **Expanded Hardware Interface:** The device includes integrated ports for **USB, MicroSD, and QWIIK**, alongside specialized **ADAA2457 + AUDIO I/O** connectivity.
- **High-Performance Platform:** Built on proprietary technology to ensure a refined test platform for modern automotive infotainment systems.
- **Optional plusAudio:** **Analog+S/PDIF I/O with harness**

## Applications

A<sup>2</sup>B 2.0 Node Emulation & Audio Routing for Testing  
Infotainment and Audio Systems

|                   |                   |                      |
|-------------------|-------------------|----------------------|
| Head Unit (m)     | ANC Systems (m/s) | Voice Assistants (s) |
| RNC Systems (m/s) | E-Call A2B (s)    | Remote Tuners (s)    |
| Amplifier (s)     | Accelerometer (s) | A2B Microphones (s)  |

(m): Main A2B Node Emulation (s): Sub A2B Node Emulation



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## Specifications

### Software

#### Built in command line interface over Terminal Emulator (Tera Term) for easy set up

Available advanced automation LUA Scripting  
License to automate start up, test configuration, self boot

Command and Control API to support test platform level integration via Python, C, C++

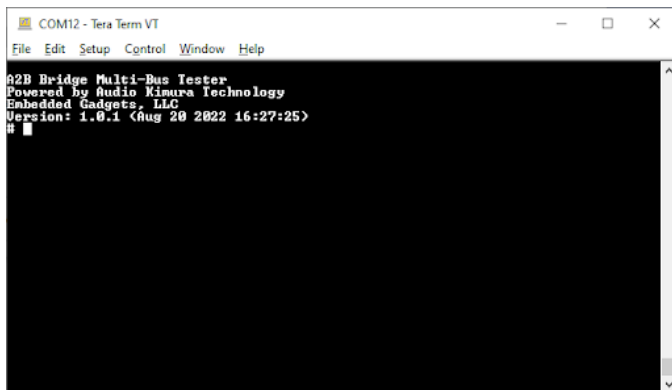
Graphical VU meters monitor and display Audio channels

Route and play audio channels to:

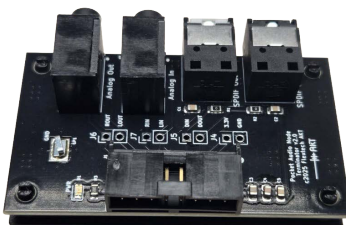
- Any A<sup>2</sup>B 2.0 audio channel
- Signal generators between nodes
- USB channels on PC for recording, analysis and playback from any DAW program

### Operating Systems Supported

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



Tera Term



Audio I/O Board(AKT-1150-Eに付属)

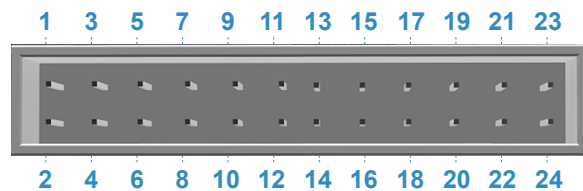
### Hardware

#### Pocket Bridge with Standard USB UAC 2.0 Interface

**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 Bridge 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)

お問い合わせは 立野電脳(株) [sale@dsp-tdi.com](mailto:sale@dsp-tdi.com)

Pocket A2B 2.0 Bridge (ADAA2457 Transceiver)

Part Number

AKT-1150-E Audio(Analog, S/PDIF)機能付き

AKT-1100-E Audio(Analog, S/PDIF)機能なし

Country of Origin

USA

HTS

8473.30.1180

ECCN

EAR99

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