

Pocket A²B™ 2.0 Bridge

The Ultimate Tool for A2B Bus System Development and Testing

The **Pocket A²B 2.0 Bridge** is a portable, high-performance solution within the **Audio Kimura Technology** platform, designed to provide **scalable A²B test options** from development to production environments. It offers full independent operation to streamline the testing and emulation of A²B 2.0 bus systems.



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み込み、システムデバッグなどの用途に使えるA²B™ 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 **A²B 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

A²B 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



Pocket A²B 2.0 Bridge

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++

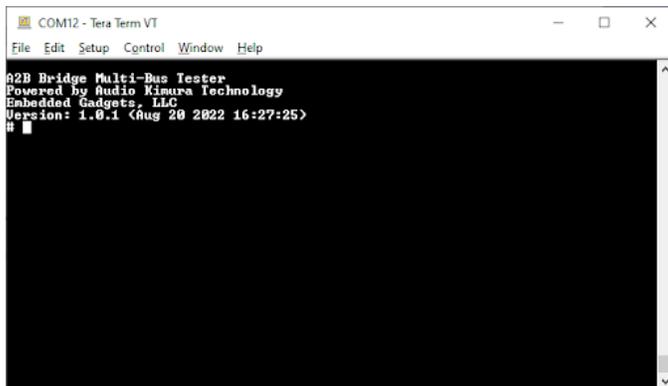
Graphical VU meters monitor and display Audio channels

Route and play audio channels to:

- Any A²B 2.0 audio channel
- Signal generators between nodes
- USB channels on PC for recording, analysis and playback from any DAW program

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

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



Tera Term



Audio I/O Board(AKT-1150-Eに付属)

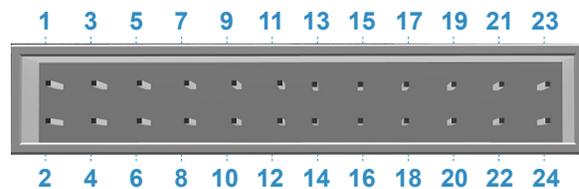
Hardware

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)

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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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