



**VE2DX**

# **KIB1 KENWOOD BREAKOUT BOX.**

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VE2DX KIB1

Date	Name	Comments	Revision
12 April 2024	VE2DX	Release first draft version	01.00.00
12 April 2024	VE2DX	KIB1 reference.	01.00.05
12 July 2025	VE2DX	Changed Logo	01.01.00

## Introduction:

Hello and congratulation on your purchase of the **VE2DX ELECTRONICS DESIGN INC. KIB1 KENWOOD Breakout Box**. The **KIB1** is basically a KENWOOD ACCESSORY Conversion and distribution unit with added RFI filtering, that lets you link together an KENWOOD radio to your accessories like Audio interfaces for computer, PTT, etc...

## Technical information:

The KENWOOD ACCESSORY connector is a 13 pin connectors on the back of most KENWOOD radios used to give access to KENWOOD accessories and external devices to needed signals like Audio Out, Squelch Out, PTT, etc..

The KENWOOD design is with a 13 pin DIN style connectors that are easily damaged and hard to work with, these connectors are commonly known as RADIO KILLERS since it is so easy to have shorts between the pins that damage the radio. The KIB1 was designed to support a connection 13Pin DIN style connector to give easier access to upto eight most common signals on that connector, these may change depending of the radio, please refer to you KENWOOD radio manual for more information.

The VE2DX ELECTRONICS DESIGN INC IAB Family evolved from the IAB1-8 and -13 to the IAB2 for ICOM radios and now the KIB1 for the KENWOOD radios, the biggest difference with our NEW KIB1 was the fact that it was using Female DIN connectors instead of cables 13Pin input, obviously it requires a male to male cable to plug into the radio.

Add image of KIB1

## Description:

The KIB1, is made of a high quality quality 3D enclosure.

- **3D SLA Printed enclosures**

One of the nice things about our design is the 3D SLA printed enclosures, this helped us turn around on the fly adjust our design, another change we made last minute was adding **magnets** to the back of the enclosure that will help the end user with the flexibility of attaching the KIB1 on the radio itself.

change this image to older 3D

## Setting up the IAB



**Before plugin in ANY devices or IAB, you MUST make certain that all equipment and power sources are turn OFF.**

**(Radios, Power supplies, accessories, PC, etc...)**

- 1- Turn off all your radios, non-KENWOOD OEM devices and Power supply's.
- 2- Plug the ACCESSORY cable going to the KIB1 Device in the back of the radio.
- 3- Making certain all devices and radios are turned off, plug you 1/8 audio style cables to your interface, making certain to clearly identify the IAB plug according to the enclosure case engraved identification.

**Note:** The IAB can support either 3.5mm (1/8th) stereo or mono cables, the KIB1 design is such that the RING portion of the stereo cable is not in use. Check the manual and specifications of your other devices for proper cable selections. You should ALWAYS use DIN and 3.5mm cables with RF chokes installed on them for best RFI filtration.

Chang image to KENWOOD radio

Older style ACC connectors 8 pins ACCESSORY and 7 pins ACC2.

**Note1 :** The older KENWOOD radios may not offer ALL 8 signals available on the KIB1, please refer to your KENWOOD manual for more information.

**Newer style ACCESSORY/AUX connector 13 pins.**



**Do not try to FORCE an IAB DIN cable, this will damage the IAB1 and make it unusable.**

**Remplace with KENWOOD radio rear view**

**That's it! You're now ready to play!**

- Reference tables

Remplace pinout table with Kenwood tables.

**73 De Richard VE2DX 😊**