

TWISTED PAIR FORMAT-A Models D SERIES-BT1A Wall-Mounted Bluetooth® Audio Format-A Interface



- Bluetooth Audio Input for Installed Sound System
- Intuitive Single Button Pairing with LED Status Indication
- Special Software Not Required for Module Setup
- Customize the Module ID Name and Programming Password through the Bluetooth Connection
- Sends Received Bluetooth Audio to RDL Format-A Receivers
- Mono Summed or Stereo Audio Input Mode is Switch-Selectable on Rear Panel
- Rear-Panel Switch Selects which RJ45 Pair (A, B or C) is Fed in Mono Summed Mode
- Daisy-Chain up to Three D SERIES-BT1A modules to One Format-A Receiver in Mono Mode
- Remotely Powered through Twisted Pair Cable
- Signal and Power Pair Pass-Through on RJ45 Jacks

The D SERIES-BT1A is part of the group of versatile wall-mounted products from Radio Design Labs. The standard mounting case can be directly fastened in North American electrical boxes or in RDL International wall boxes.

APPLICATION: The D SERIES-BT1A modules are Bluetooth audio receiving modules compatible with RDL® Format-A twisted pair receivers. When paired with a compatible Bluetooth enabled device, the module receives stereo audio from the Bluetooth source. The stereo signal is sent through two Format-A pairs to any RDL Format-A receiver. A stereo/mono switch set by the installer permits summed mono audio to be sent over one switch-selected pair to the Format-A receiver.

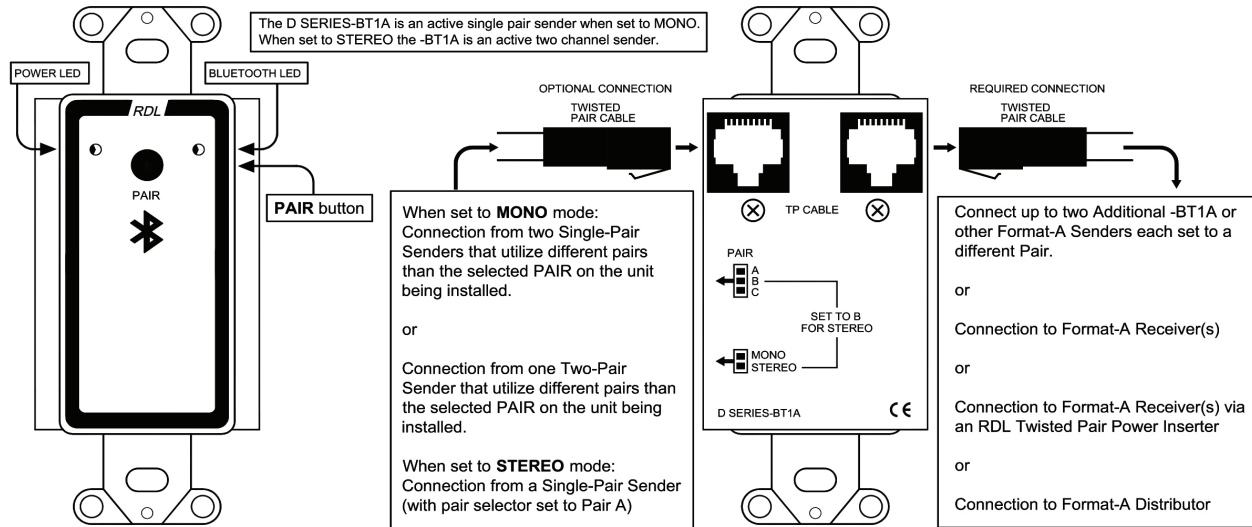
If set for stereo operation, an additional Format-A source (set to Pair A) may be daisy chained with the D SERIES-BT1A to a three-pair Format-A receiver. If set for mono operation, up to three D SERIES-BT1A modules may be daisy chained to a single three-pair Format-A receiver. Connections between Format-A modules and Format-A receivers use standard CATx cable with RJ45 connectors.

The D SERIES-BT1A modules are powered from the Format-A receiver. The installer can customize the module name and programming password through the Bluetooth connection using a smartphone, computer or tablet terminal program. These modules feature studio-quality circuits and analog filters to provide audio performance exceeding expectations from consumer interface technologies. High performance, simplicity of operation and efficiency of installation make RDL the best value in professional Bluetooth interfaces.

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Installation/Operation

Declaration of Conformity available from rdlnet.com.
Sole EMC specifications provided on product package.
Specifications are subject to change without notice.



Instructions for Bluetooth pairing

These instructions are based on the default RDL unit identification as RDL_BT_FA. If the RDL unit has been renamed by the installer, substitute the new name for RDL_BT_FA in the following steps.

PAIRING

1] Press and hold the PAIR button until the blue LED on the RDL unit illuminates, then release.

Note: The blue LED flashes as long as the unit is available for pairing. If the blue LED stops flashing before the pairing process is completed, restart these steps.

2] While the blue LED is flashing, locate RDL_BT_FA on your device's Bluetooth settings and click PAIR DEVICE, following screen prompts to complete the pairing process.

Note: The blue LED glows steady while the RDL unit is paired.

UN-PAIRING

The RDL unit will unpair automatically 30 seconds after the user device leaves the area. The user device may be manually disconnected by pressing and holding the PAIR button on the RDL unit.

RE-PAIRING

1] Press and hold the PAIR button until the blue LED on the RDL unit illuminates, then release.

2] While the blue LED is flashing, locate RDL_BT_FA under Previously Connected Devices on your device's Bluetooth settings and click RDL_BT_FA, following screen prompts to complete the re-pairing process.

Note: If the re-pairing fails, click Forget Device on the user device and pair the RDL unit as a new device.

Upon successful pairing, the user device applications for audio playback through a Bluetooth interface may be used.

TYPICAL PERFORMANCE

Output:	RDL Format-A (RJ45)
Format-A Input:	RJ45 LOOP IN
Format-A Signal Pair Used:	A, B, or C (summed mono mode, rear-panel switch-selectable); B and C (stereo mode, pair A pass through)
Frequency Response:	20 Hz to 20 kHz (± 0.5 dB)
THD+N:	< 0.1%
Noise below -20 dBFS:	< -70 dB
Crosstalk (channel to channel):	< 70 dB
Audio Operating Levels:	-20 dBFS = +4 dBu (balanced), nominal
Ambient Operating Environment:	0° C to 40° C
Power Requirement:	24 Vdc @ 100 mA (through RJ45)
Dimensions:	1.73" (4.39 cm) W; 4.11" (10.44 cm) H; 1.62" (4.11 cm) D
Package Type:	Cardboard Box
Package Dimensions:	3.625 x 4.625 x 2.125 in.
Shipping Weight:	0.45 lb.
WEEE weight:	0.29 lbs.
Tariff code:	8518.50.0000



Scan the QR code above or see the DD SERIES-BTN44 page at rdlnet.com for programming information.