

BLUETOOTH-HYBRID/LINE MODULE 7/11 and/or 8/12, CONNECTORS, CONTROLS, & FUNCTIONS

Input module 7/11 and/or 8/12 can be populated with a Bluetooth Hybrid module with line input.

HIGHLIGHTS

- High quality Telephone Hybrid circuit to directly connect to a Bluetooth device
- Take Bluetooth calls and play/pause music directly on your AIRENCE-USB console
- Bluetooth V5.0 specification
- Bluetooth audio with high resolution up to 24-bit/96kHz audio
- Stereo line input
- Gain control
- VoIP/Telco send Control
- Direct access CONNect and TB (Talk Back) switches in the master section
- Stereo Aux send
- Stereo CUE switch for pre fade listening
- Start (ON) switch and 100mm smooth professional fader

BLUETOOTH HYBRID CHANNEL

The Bluetooth module for the AIRENCE-USB uses our high quality Telephone Hybrid circuit to enable you to make calls on your Bluetooth enabled device during your broadcast. It also supports high quality Bluetooth audio, so playing music on your AIRENCE-USB has never been easier.

CONNECTING TO A BLUETOOTH DEVICE

Once the AIRENCE-USB has been switched on, the Bluetooth Hybrid will be in standby mode. The blue LED will be off.

- Press and hold the CONN button to enable pairing mode. The blue LED will start blinking.
- On your Bluetooth enabled device, search for "D&R AIRENCE". Click connect.
- When a connection is successful the blue LED on the Bluetooth Hybrid will stop blinking and stay on.
- If no action is taken the Bluetooth Hybrid will automatically go out of pairing mode and into standby mode after 30 seconds. The blue led will stop blinking and go off.

Now that the Bluetooth Hybrid and your other device have been paired, the next time the AIRENCE-USB is switched on the Bluetooth Hybrid will automatically search for known devices and connect to it.

DISCONNECTING A BLUETOOTH DEVICE

Press and hold the CONN button. The Bluetooth Hybrid will disconnect from the current device and go into pairing mode.

TAKING A BLUETOOTH CALL

Once connected to the Bluetooth Hybrid you can now take calls on your AIRENCE-USB (if the other device supports Bluetooth HFP/HSP).

- When you are being called the RING led will blink. You can pick up the call by pressing the CONN button. The green CONN led will be lit. Note: the incoming call will not be heard until the CUE is pressed or the ON switch and the fader are activated which brings the signal to the mixer. To hear the caller you have to push the CUE button and to bring the caller on-air push the ON switch and pull up the fader.
- When a call is active, to disconnect the call press the CONN button again. The green CONN led will be off.

BLUETOOTH AUDIO

Once connected to the Bluetooth Hybrid you can now play music on your AIRENCE-USB. Choose your favourite player (Playout software, Spotify etc.) and press play on your device.

- It is also possible to play/pause music using the CONN button on the AIRENCE-USB. When music is not playing the CONN button will play music, when music is playing the CONN button will pause the music.

BLUETOOTH HYBRID SEND

With this level control the outgoing signal from the mixer is sent to the caller via Bluetooth Hybrid. This is for both the Bluetooth Hybrid and the Stereo Line input (when selected). This Bluetooth Hybrid gets its send signal from the cleanfeed output on the back of the console.

TELEPHONE/LINE SWITCH

When switched to the up position only the Bluetooth Hybrid signal is received. When this switch is down, you have a high impedance stereo line level input for connecting iPods, tape machines, CD players etc.

GAIN

With the GAIN control, the source level is adjusted to the internal mixer level. This is for both the Bluetooth Hybrid and the Stereo Line input (when selected).

TALKBACK

By pushing the TB switch on the Bluetooth Hybrid module, the internal talkback microphone is activated and allows you to talk to the caller without being ON-Air.

AUX SEND

Below the TB switch is the stereo Aux send that can be set to send stereo source signals pre or post fader (pre or post jumper settings on the circuit board). The factory default is post fader.

CUE

Next you will see the stereo CUE switch (Pre Fader Listening). This switch allows you to check the signal before you mix it with your other channel signals in the mixer. A second very important function is that this Cue buss is also designed to be a N-1 communication buss. It means that a caller hears any signal connected to this Cue buss except his own signal. So communication between a DJ channel and the caller is possible without having to mix in the DJ channel and the caller in the broadcast.

RING (LED)

This LED lights to alert you when a call comes in. You can also connect a warning light to the START jack to be visually informed that a call comes in (when you wear headphones).

ON

The ON switch is used to activate the module. This switch sends out a momentary pulse (default) or switches permanently (continuously) between tip and ring of the Start connector on the back of the console. You can also use this START connector to control an external Ring indicator that a call is coming in. This is the default setting of the related jumper. You will notice that the internal LED of the ON switch will not light when pushed as long as the fader is not up alerting you that there is no signal sent to the busses (Program or Sub).

FADER

Final control of the channel is the 100mm long throw K-Alps stereo channel fader with integrated fader start switch. The channel fader sends the amount of signal from the associated channel to the master mix buss. At the right side of the fader you see a dB labelling starting at the top with no attenuation (0) and sliding down it attenuates in steps of 5dB until it reaches a full cut off below -90dB. When you are used to fully throw the fader in its top position when opening a channel it is advisable to set the fader gain jumper to 0dB (factory default). At the beginning of the fader movement you will feel an internally built in start switch that is activated when you bring up the fader. This switch activates the start circuitry and controls externally connected devices such as CD players etc (via the Start connector on the back).

INPUT CONNECTORS BLUETOOTH HYBRID

On the back of each of the AIRENCE-BLUETOOTH-HYBRID/LINE modules 7/11 and 8/12 you find three connectors. Two unbalanced stereo line RCA Cinch connectors for connecting CD players, iPods, or any play-back devices as long as they are line level equipment. The level can be set using the gain control to match most source levels. The left RCA/Cinch connector is the right input and the right RCA/Cinch connector is the left input. The shield needs to be connected to the ground or case of the RCA/Cinch connector.

The START switch has two active connections to be wired. The tip and ring are shorted when the ON switch or fader switch is activated. Default the tip and ring are shorted when a call is coming in to alert someone is calling the studio. In case Fader start is jumpered, you can use this connector to activate an external ring indicator such as our D&R PHONE light.

NEVER CONNECT ELECTRICAL POWER TO THIS REMOTE-JACK

Connections on the START connector should only be made with a maximum of 24 Volts by 50 mA. Please contact your dealer in case of doubt.