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IceCube™ IC-1 Balanced Line Isolator and Hum Eliminator

Part No. R800 1031

- Eliminates hum & buzz caused by ground loops**
- Exceptionally linear response from 20Hz to 18kHz**
- Able to handle pro output levels without choking**
- Plug & play easy to use with XLR in & out**



The Radial IceCube IC-1 is a balanced line level isolator designed to quickly eliminate hum and buzz problems in an audio system by simply inserting it into the signal path.

Measuring just over 4" x 1 1/2" (10 x 4cm), the compact design begins with two super-duty glass-filled nylon XLRs at each end with heavy duty nickel-silver contacts that will not tarnish over time. Unlike other isolators that are made of plastic, the IceCube is made from solid 16 gauge steel and finished in a tough powder coat. The steel outer shell is not only more durable, it provides excellent shielding against electromagnetic fields radiated by power cables, dimmers, motors and power supplies - delivering consistently quieter results when deployed. This is augmented with a 'set & forget' ground lift switch to eliminate hum and buzz caused by ground loops.

Inside the IceCube, a proprietary Eclipse transformer isolates the input from the output and blocks stray DC currents. While small transformers rarely perform well below 100Hz, the IceCube is exceptionally linear from 20Hz to 18kHz. It is also able to withstand up to +10dB at 20Hz with less than 0.01% distortion. It is a quick and easy problem solver that will eliminate noise without limiting the bandwidth or introducing phase shift, harsh sound or unpleasant artifacts.

These features combine to make the IceCube an ideal problem solver for the AV technician and audio engineer that work in the fast-paced world of live touring, AV rentals and system integration.

EXTRAS

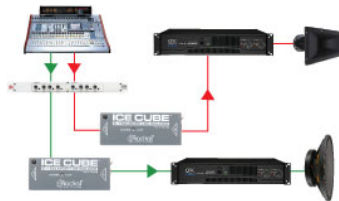
IceCube IC-1™ - Applications



Isolating the DJ mixer from a console

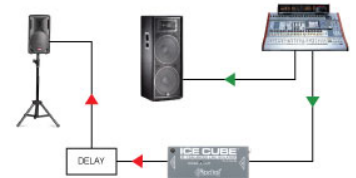
Plug a couple of IceCubes in between the DJ mixer and the main PA to rid the system from hum or buzz caused by ground loops. Standard XLR connections make it easy.

[\(click on images to view larger\)](#)



Isolating a crossover from a power amp

Eliminating noise problems can take hours of troubleshooting. The IceCube takes the hassle out of the equation with a plug and play solution that works every time.



Isolating a console from a remote tower

When distant power systems power equipment it often leads to noise, due to voltage fluctuations and ground contamination. The IceCube isolates the system to reduce noise.