

## Features

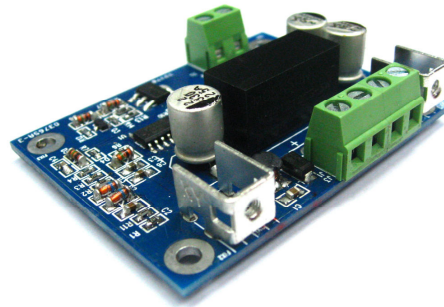
- 12V DC-DC isolation
- Compatible with all miniDSP
- Perfect power on/off sequence
- Easy integration

## Hardware

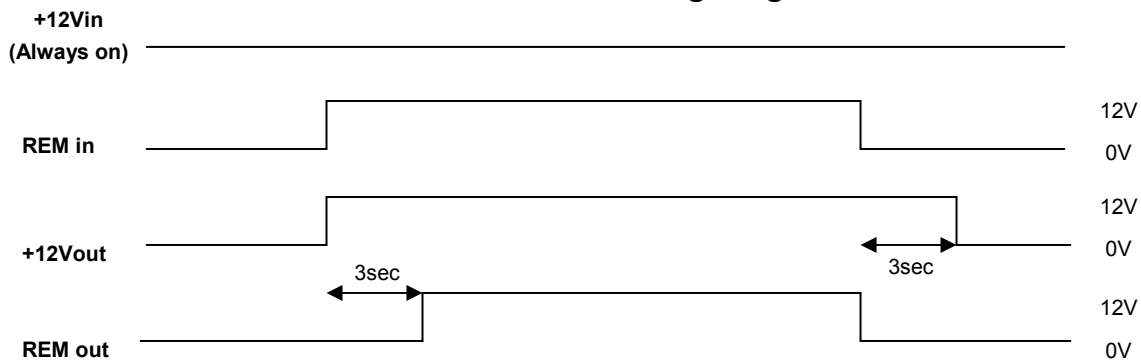
- Wide input range 10-18V
- 3W output power
- Regulated 12VDC output
- 1500V I/O isolation
- Short circuit protection
- Up to 12V REM in (5V threshold)
- 12V REM out (100mA max)
- Delayed regulated 12V output
- 17mA standby current
- Front panel mount M3 lugs
- Small 50 x 60mm form factor

**miniDC isolator** is a tiny board allowing a perfect system integration with power on/off of your DSP and amplifier system. Based on a DC-DC isolated converter and delay circuit, it allows you remote turn ON/OFF in the correct order. This board is compatible with all miniDSP except the miniDSP 2x8/8x8 units.

The below diagram illustrates the timing relationship between Vin, Vout, REMin and REM out pins. When the remote input (REM in) goes high (above 5V), the device will the isolated 12V output immediately (no delay). The remote output (REM OUT) is delayed by 3 seconds to allow for the DSP to settle before amplifiers are turned on. Once the remote input (REM in) signal goes low, the remote output goes immediately low to turn the amplifier off first. The isolated 12VDC out will be delayed to turn the miniDSP last.



## miniDC Isolator Timing Diagram



## miniDC Wiring Diagram & Mechanical Drawing

