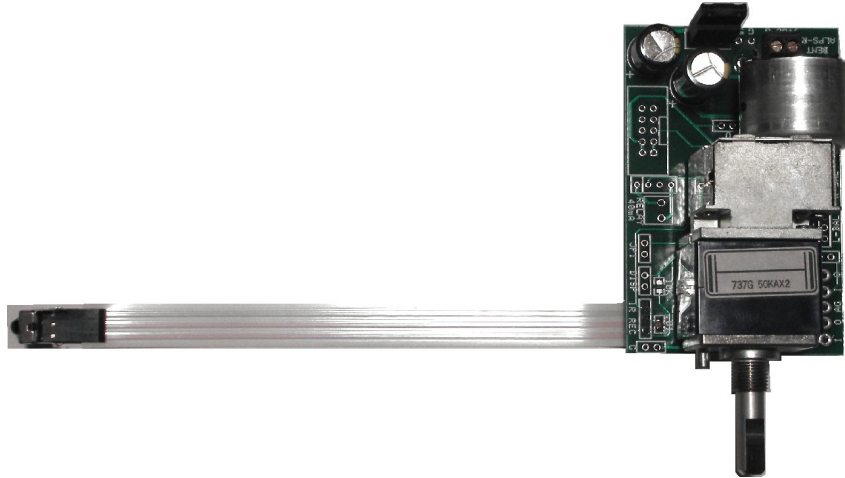# ALPS Remote System

This document describes the wiring and required space of the Bent Audio Remote ALPS potentiometer board. This is a good choice where the cost or complexity of a stepped or relay based attenuator is too high. The PCB comes with the remote handset and it is all completely assembled and tested – just power up and you are ready to go.

Mounting

The ALPS pot will mount in place of most attenuators – the hole size required is 0.325". It can be mounted in a 0.375" (another common) hole sizes using washers to assure the mounting bolts attach firmly to the front panel. There is a 0.125" mounting pin hole required to the left of the main attenuator hole. This prevents the attenuator assembly from rotating if excessive force is used at the end stops. The standard ribbon cable is 5" long – 8" long cables are available on request. See the drawings at the end of this document for complete mounting dimensions and details.

'+' is Volume up and '-' is volume down

ALPS Remote System - Wiring

      This picture shows the hook-up wiring of the Remote ALPS PCB. Not much to it really – it wires just as a normal stereo pot to the audio circuits then apply 9Vdc to the Power terminal at the back of the board. This power input voltage is not at all critical – any voltage from 8Vdc to 15Vdc can be used. It does not need to be regulated but it must be DC. Current draw is very low – just a few mA when the motor is not spinning and about 25mA or so when the motor is turning.

ALPS PCB WIRING

IN

OUT

ANALOG GROUND

IN

OUT

9Vdc

GROUND

ALPS Remote System – Mounting Drawings

FRONT VIEW

PANEL CUTOUT