

## Casio SK-8 drums "Direct Out" modification :: by Plutoniq9 2005

### Description;

This modification allows a direct audio output of the onboard drum samples in the Casio Sk-8. By using a Normally-closed 1/8" phono jack, the drums will be cut from the main "mix", isolating them from all other onboard sounds (ie Sampler or PCM presets) when a phono plug is inserted. With a slight tweak, Highly Liquid's SKM midi retrofit can be made to give midi control over the onboard drums. There is also a way to tune the onboard drum samples with another modification.

### Parts needed;

- (1) 1/8" normally-closed phono jack (3-conductor)
- Solder braid (for de-soldering)
- Soldering iron & solder
- Insulated wire (stranded)
- Electric drill & drill bits.

### Instructions;

•Locate 28-Pin IC (OKI M6294). Looking on the solder-side of the PCB (with keyboard towards you), it will be located in the top left-hand corner of the board.

Locate Jumper wire "5" next to the IC. De-solder and remove from PCB.

•Cut yourself (3) individual pieces of insulated wire about 3" (inches) in length. Tin both ends of each piece of wire.

• Solder (2) of the wires to the holes left by removing jumper "5".

• The third wire needs to be soldered to a "ground". This can be any suitable trace connected to pin "16" or "17" of the IC (OKI M6294). Consult photo supplied with these instructions for more info.

• Solder all (3) wires to your 1/8" normally-closed phono jack. Consult photo supplied with these instructions for more info.

•Finally, drill a hole in the SK-8 case to accommodate the 1/8" phono jack, there is plenty of space right above the PCB where the modification is performed. Make sure your phono jack is not going to short out any of the electronics on the PCB though!

•Done!

