

## 20% MORE

### Programmer's Reference Sheet

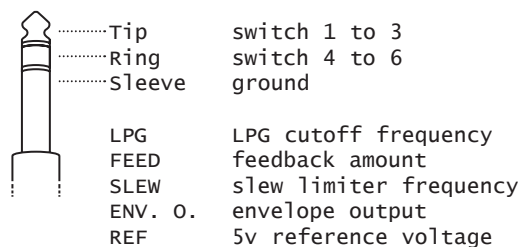
#### USING THE CV JACK

The TRS CV jack can be configured to function in many different ways, opening up complex CV possibilities.

When switch 6 is set to ON, a 5v reference is sent on the ring connector for use with an expression pedal. The connector tip then controls either the LPG (1), Feed (2) or Slew (3). It can control two or more parameters at once.

This is all also compatible with 0-5v external CV. In that case, if using a Split! breakout box or similar utility, the Ring connection can also be used to control LPG (4). Duplicating it in this way allows all 3 CV parameters to be controlled at once if one desires to do so.

Switch 5 outputs the internal envelope voltage, opening up fun synced interactions.



#### BASIC PROGRAMMING PROCEDURE

To ensure no damage to your pedal, be sure to follow these steps when opening the enclosure

Preparation, good lighting, a clean work surface and proper tools are essential.

1- Open the pedal by removing the four screws holding the lid. Put aside in a safe place.

2- Pay close attention to the circuit board, do not allow anything to touch it. You are looking for a block of six microswitches close to the CV jack.

3- Modify the switch arrangement with a small flat screwdriver, pen or similar tool to obtain a certain program.

4- Close the pedal with the lid and four screws, do not over-tighten.



#### EXAMPLE PROGRAMS

1 ON LPG  
2 FEED  
3 SLEW  
4 LPG  
5 EXP. O.  
6 REF  
expression pedal controls LPG frequency (default)

1 ON LPG  
2 FEED  
3 SLEW  
4 LPG  
5 EXP. O.  
6 REF  
expression pedal controls feedback amount

1 ON LPG  
2 FEED  
3 SLEW  
4 LPG  
5 EXP. O.  
6 REF  
expression pedal controls both LPG and slew frequencies

1 ON LPG  
2 FEED  
3 SLEW  
4 LPG  
5 EXP. O.  
6 REF  
CV on tip controls feedback amount  
CV on ring controls LPG frequency

1 ON LPG  
2 FEED  
3 SLEW  
4 LPG  
5 EXP. O.  
6 REF  
tip controls slew frequency  
ring outputs internal envelope

1 ON LPG  
2 FEED  
3 SLEW  
4 LPG  
5 EXP. O.  
6 REF  
expression pedal controls everything  
maximum sweep