QCBOXOUTBIT5
Status (=1 or =0) of the bit that will be output from Model 5 BIT5.

QCBOXOUTBYTE
8-BIT binary value that will be output from Model 5 port.

QCBOXPHANTOM
Microphone power supply voltage (V) set for Model 5 IN1 and IN2 input. Ranges from 2 to 24.

19.8.4 EXTERNAL TRIGGER

It is possible to trigger the QC tests sequence with the following:
1) A foot pedal switch connected to QCBox Pedal In connector.
2) The connection of the loudspeaker under test sensed by QCBox Model 5.
3) An external TTL signal wired to one of the QCBox Model 5 input.
4) An external TTL signal wired to the PC parallel printer port.

The settings are within CLIO Options>QC (See 19.4.8).

This operation is controlled by the External Trigger button in the QC control panel and by the **MANUAL** keyword inside the QC script.

Fig.19.41 shows a foot pedal switch and shows its connection to the PC to enable the control of the QC test.

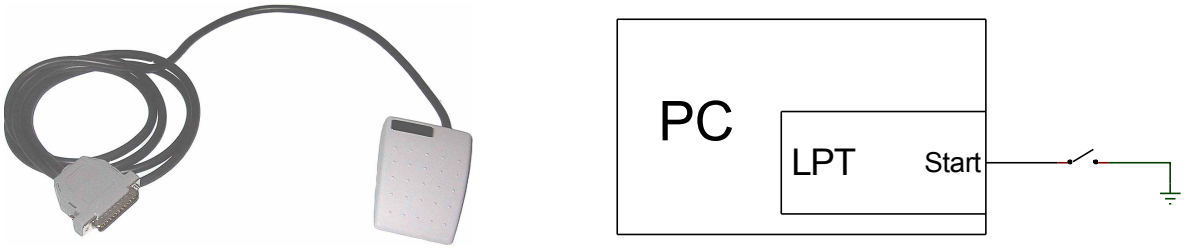

Figure 19.41

The QCBox Model4 and Model 5 have a dedicated input 'PEDAL IN' that can be used to connect the external foot pedal or trigger signal.

The following lines are needed inside a script file to enable a switch (or externally generated TTL signal) to start and continue a QC measurement.

```
[GLOBALS]
...
...
MANUAL=0
```

Please refer to 19.8.7, 19.8.8 and to the commands reference for more details on TTL input signal management.

19.8.5 TTL SIGNALS GENERATION

CLIO QC has powerful capabilities to generate and read TTL control signal to be able to interface with an external line automation.