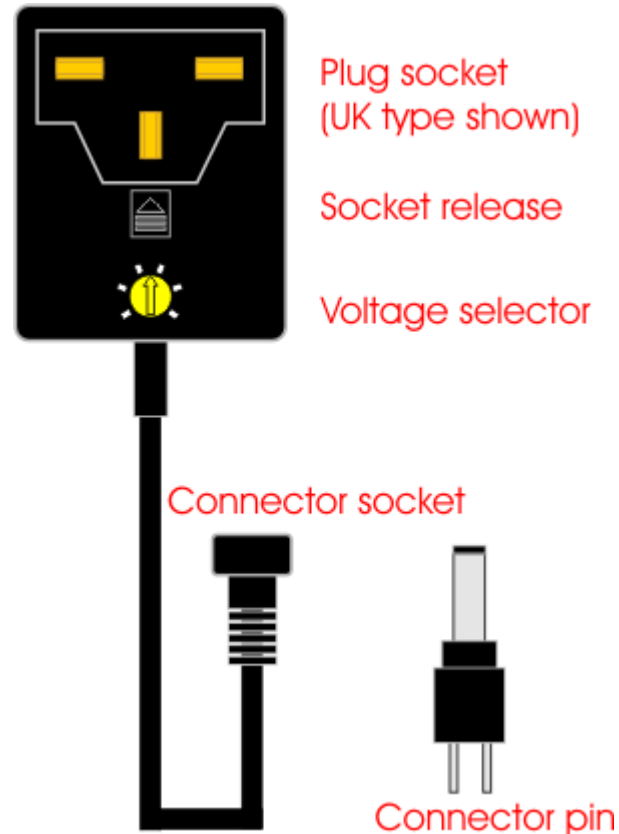


## International Power supply unit

The international power supply unit comes with interchangeable plug sockets. The default socket supplied with the power supply units is the United Kingdom three pin plug socket. Additional sockets are available, these include: European twin pin plug socket, North American twin pin plug socket



### Changing plug sockets

Push the Socket release button up to release the plug socket  
 Remove the plug socket  
 Insert the new plug socket until it is firmly held in place (you should hear a click)

### Changing the supply voltage

The yellow dial below the plug socket can be set to a number of different voltages.  
 Turn the dial until the arrow points at the required voltage.

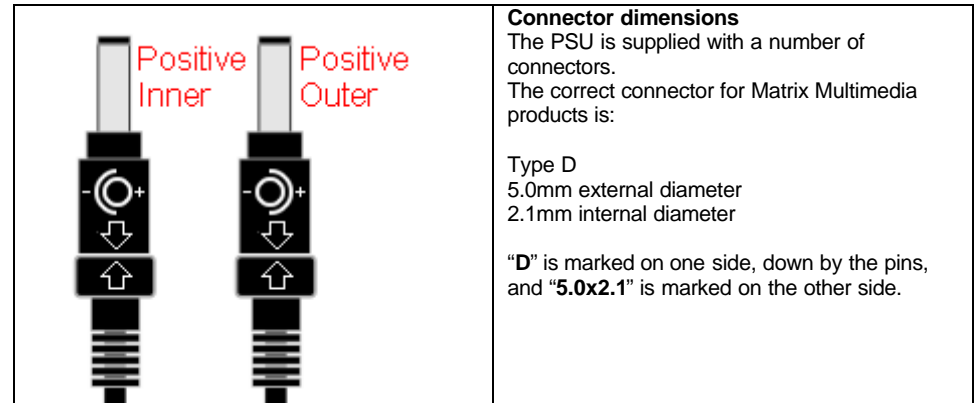
## Changing the connector pin

The power supply unit comes with a number of interchangeable connector pins. Select the connector pin that is suitable for use in the power jack of the device that the power supply is to be used with. Insert the connector pin into the connector socket making sure that you have the correct polarity (Positive outer).

### Positive Inner/Positive Outer polarity

Matrix Multimedia products are designed to work with either Positive Inner (Alex animated head) or Positive Outer polarity (all other products).

To set up the correct polarity the connection symbols on the jack need to match those shown below.



### Connector dimensions

The PSU is supplied with a number of connectors.  
 The correct connector for Matrix Multimedia products is:

#### Type D

5.0mm external diameter  
 2.1mm internal diameter

"D" is marked on one side, down by the pins, and "5.0x2.1" is marked on the other side.

The two arrows – one on the connector socket and one on the connector pin, help you select the correct side of the power jack, and the symbol shows the correct outer connection.

### Power supply settings

All E-blocks boards requiring a PSU	13.5V	Positive Outer
FLLIT Flowlog Lite	9V	Positive Outer
FLSTD Standard Flowlog	9V	Positive Outer
HPDEVBD PICmicro development board	13.5V	Positive Outer
HPACT Actuators panel	6V	Positive Outer
HPALEX Alex animated head	9V	Positive Inner
HPTARM TecArm	Not suitable	-
HPPLD PLD board	9V	Positive inner
HPEDP Electronics Development Platform	9V	Positive Outer

### Power supply adaptors

United Kingdom	HPADUK (MW-TUK)
European Union	HPADUU (MW-TU)
North America	HPADAF (MW-TF)
Australia	HPADAA (MW-TSAA)

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