

## Chipping DVD Players

Some DVD players cannot become region free, or macrovision free, using the method of entering a code. The one way around this is to install a chip inside the player, to bypass region and macrovision locks.

### Replacement chips

Generally if your player needs a chip to be replaced, you should send it off to one of the companies below to be modified, unless you are a professional at soldering, and have the right equipment.



Tosp48 chip. Advanced soldering required



Tosp1144 chip. Advanced soldering required



Psop44 chip. Advanced soldering required



Adapter PCB. Advanced soldering required



Dil32 Chip



The lucky one. No soldering, simply fit and away you go!

### Upgrade chips



These chips are easier to install, and with a good 15watt soldering iron and a steady hand you can do it at home. Some just need to be plugged in. See below



Plug it in and away you go



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	<p>Solder the wires on to the correct points on the main board</p>
	<p>Plug it in, that's it.</p>

### CD upgrades

Some models allow you just to insert a cd, which upgrades the firmware of the DVD player. The easiest way, but make sure you get the right firmware, or it could render your DVD player useless.

### Soldering techniques

If you're going to try soldering your own chip, here's a guide on what to do.

### Equipment

A 15-watt soldering iron. The tip doesn't have to be tiny, but generally smaller the better.

A flux pen.

### Procedure

Work out on the main board when the wires have go to be installed. Line them all up to check the wire lengths ECT.

Apply some hot tin to the pin on the board and attach the wire.

If there's tin on other pins, use some flux and stroke the pins to remove the tin. If the wire doesn't look 100% secure, use some more tin.

After you've finish make sure no pins are accidentally joined, creating a short circuit.

### Links

Here are some links to websites that sell chips. Some will do it for you.

<http://www.dvdchips.co.uk/>

<http://www.dvdupgrades.info/>

<http://www.southernelectronics.co.uk/Products/>

<http://www.mailuk.com/>