

GTH ELECTRONICS

ACE Convertor Special Version XP

Option "P": Permanent Widescreen Signalling

Option "P" has permanent widescreen signalling controlled by AUDIO and MANUAL buttons so widescreen TVs will switch automatically to the correct mode. The audio/video fader is still available with variable speed using the FADE button and SPEED control but fading is always automatic and audio is always faded with the video. Of course audio can be left unfaded simply by connecting audio directly from source to destination machines and not taking it via the ACE.

This option is especially useful with pillarboxing as this will normally be used with a 4:3 source and 16:9 output. Appropriate widescreen signalling can then be used to force widescreen TVs into the correct mode. (This option is not usually needed for letterboxing of 16:9 material for 4:3 TVs as they are unlikely to respond to widescreen signalling.)

The following common modes can be signalled (**Only 625/50 Output, Disabled on 525/60**):

AUDIO / 16:9	MANUAL / LETTER	WSS MODE
OUT	OUT	4:3 Full Screen
OUT	IN	14:9 Letterbox
IN	OUT	16:9 Full Screen (Anamorphic)
IN	IN	16:9 Letterbox

Option "X": Horizontal/Vertical Panning on Letterbox/Pillarbox

Option "X" offers Horizontal Panning when using Letterboxing or Vertical Panning when using Pillarboxing. In both cases the panning is proportional to zoom level. So panning is zero with no zoom applied and automatically increases in effect with zoom level so that at it is always possible to pan over the whole source image width or height. This allows control over zoom induced cropping for cases where the main focal point of the image is not in the centre.

Fade is always set to the maximum rate (1 second as standard or 0.5 seconds with "Q" Option).

The Speed/Manual Fade control becomes the Panning control instead:

STATE	FADE/MANUAL KNOB EFFECT
DIGITISE	NONE - NO Panning
ZOOM	NONE - NO Panning
LETTERBOX	Horizontal Panning - Varies with Zoom Level
PILLARBOX	Vertical Panning - Varies with Zoom Level