

Radiance Tech Tip 15

Report Mode Changes to a Control System

Report Input or Output Mode Changes

The Radiance has the ability to report input or output mode changes via RS-232. This is useful for control systems that need to take other actions when a mode change occurs. For example: The Radiance can report output mode changes so that a control system can then set a projector to display 2D or 3D video.

Description

Implemented in Software Rev 082111 and newer.

When "Report mode changes" is set to "Input" and an input mode change occurs, the Radiance will send a string reporting the new mode information as if the rs232 mode inquiries command "ZQI18" had been issued to the Radiance.

When "Report mode changes" is set to "Output" and an output mode change occurs, the Radiance will send a string reporting the new mode information as if the rs232 mode inquiries command "ZQO01" had been issued to the Radiance.

The command is: **MENU → Other → I/O Setup → RS-232 Setup → Report mode changes → (Off, Input, Output)**

RS-232 Commands (From Tech Tip 11)

ZQI18	Current output configuration selected by current input resolution and user memory--[Replaces command ZQI03 due to changes in the output config memory structure in SW Rev 102910] returns out1 on/off status (1/0), out2 on/off status (1/0), output mode selected (C<0-7> for one of eight output configurations or D<mode_name> for a directly selected standard mode), output 3D type (0=off, f=auto, 1=frame seq, 2=frame packed, 4=top-bottom, 8=side-by-side), cms <0-7>, style <0-7>.
ZQO01	Output mode-- returns (vertical rate * 100, horiz res, vert res, interlaced, (0=off, 1=frame seq, 2=frame packed, 4=top-bottom, 8=side-by-side)). Example response: "!O01,5994,1920,1080,0,0<CR><LF>" for a default 1080p 3D off output mode.