Jack Locations & Pin-Outs

The CSAFE specification mandates the use of a standard 8-pin modular plug and jack of the type used in data communications, typically referred to as an "RJ45" plug or jack. All new fitness equipment manufactured utilizes the 8-pin modular plug however some older types of fitness equipment may utilize a 6-pin CSAFE connector. If this is the case, please contact the manufacturer of the fitness equipment for their pin assignments.

The CSAFE jack is typically located close to the electronics of the fitness equipment, For example, at the rear of the display panel as shown on this particular unit. This is not always the case however and some detective work may be necessary. Pin out information is as follows:

Pin #	Description	
1	Left Audio (Input to fitness eq)	
2	Right Audio (Input to fitness eq)	
3	Receive data (Input to fitness eq)	
4	Transmit data (Output from fitness eq)	
5	4.75 - 10.0 VDC, max current 85mA (Output from fitness eq)	
6	CTS (Clear To Send) Flow Control (Input to fitness eq)	
7	Signal Ground (n/a)	
8	Shield (n/a)	