

4Kx42 Environmental and Power Usage

BrightSign 4K players are designed to be used between 0°C and 40°C, at 90% maximum relative humidity, non-condensing.

The power supply for 4K players is 60W and 12V at 5A. The device will use approximately 1A of power when playing a 3840x2160x60p H.265 (HEVC) source file.

Important

This product is intended to be supplied by power from a Listed Power Adapter, rated +12Vdc at 5A minimum.

An additional 4A of power is available for peripherals connected to a 4K player. The user should not connect any combination of peripherals that will exceed 4A draw. If more than 4A is drawn, the external power supply may shut down due to over-current conditions. The unit will not be damaged, but it may reboot or not operate properly until the overload is removed.

If the device is being powered by the power supply, the 4A can be shared in any way among the following connectors:

Connector	Maximum Power Usage
Ethernet	Approx. 180mA (when transferring data)
USB 2.0/3.0	500mA (on each connector)
DE9 5V	500mA
DA15 3.3V	500mA
HDMI 5V	500mA
IR blaster output	85mA

If the device is being powered by PoE, only 1A is available for all connectors (or possibly less if the device is running a resource-intensive presentation). It can be shared in any way among the following connectors:

Connector	Maximum Power Usage
Ethernet	Approx. 180mA (when transferring data)
USB 2.0/3.0	500mA (on each connector)
DE9 5V	100mA
HDMI 5V	500mA
IR input/output	85mA