Xynergi + Sidecar Cabling Schematic

Introduction

The following procedure document outlines the recommended cabling configuration for Xynergi desktop controller systems, including those with optional Sidecar units.

The Xynergi Controller has very definite requirements for USB connection, especially when the cable distance between the Xynergi and the host PC exceeds 5 metres. Fairlight STRONGLY recommends the following configuration, and cannot support systems using other brands or styles of cable extension.

Assumed System/Requirements

- Host PC with Xynergi software, CC1 card, and SX20 installed
- Xynergi desktop controller
- Up to maximum 2 X Sidecar fader consoles (Optional)
- Cable distance between the PC and Xynergi exceeding 5 metres

Parts required

- 1 X Icron Ranger 2101 USB2.0 CAT5 extender kit (For Xynergi controller)
  http://www.icron.com/products/usb_new/usb20_ranger_2101_2104.php

- 1 X Icron Ranger 410 USB1.1 CAT5 extender kit (For Sidecar and other USB devices)
  http://www.icron.com/products/usb/usb_ranger_110_410.php

- FairlightAU PCI USBExtreme interface card (Optional, for Sidecar connection)

- Solid Core CAT5 cabling NOT exceeding 100metres

- USB2.0 A-B cables NOT exceeding 5m (1 for each Fairlight controller unit)

Notes

The Icron Ranger 2101 extender has been deliberately selected for the Xynergi Controller. Connecting any other USB device to the Ranger 2101 link is likely to cause the Xynergi controller's response time to slow to an un-acceptable level.

ANY additional USB devices required at the console end of the extenders should be plugged into the Ranger 410 link.

Extender systems should be plugged into the PC such that they do NOT share a USB Host controller. The Fairlight "USB View" software tool is helpful for diagnosing such connection conditions.

START > All Programs > Fairlight > FMC > FMC Utils > USB View

DVI Fibre-cables
by Ophit/Kramer, with
optional external PSU
recommended.
Distance MAX 100m

USB2.0 Ranger
2101 LEX

DreamII + FMC monitors :
DVI from NVidia VGA card

USB
Extreme
PCI/PCIe
Card

USB over CAT5
(MAX 50 metres with SOLID CORE cable)

USB2.0 Ranger 2101 REX

Normal USB A-B cable
MAX 5 metres!!!

USB over CAT5
(MAX 100 metres with SOLID CORE cable)

USB 1.1 Ranger 410 Rex

icron   REX
Powered by ExtremeUSB

Normal USB A-B cables
MAX 5 metres!!!

FAIRLIGHT
www.fairlightau.com

DVI
CAT5
5pin USB
USB