

Introduction

In the world of AV installation, many problems arise when connecting different aspects of a solution together. Whilst manufacturers adhere to the interconnect specification small subtle differences in ICs sometimes mean there are compatibility issues. This becomes more apparent when pushing the boundaries of the technology particularly when extending the cable range of video, audio and control signals beyond their original specification.

As professional installers, Paragon Multimedia had experienced these problems many times over the years; however, they had recently noticed that the compatibility problems had considerably worsened when it came to installing the latest interactive touch panels. As a result, Paragon wanted to find a way to test their products with the latest AV technology, and at the same time assure potential customers that their installs would proceed smoothly.



The Plan

To this end Paragon Multimedia devised a plan to put together a demonstration room (The Hub) with a variety of interactive panels where their clients could come and test out the capabilities of their products. For this project Paragon required a range of interactive touchscreens of different price points and specifications, so they purchased several interactive panels, including from such brands as Clevertouch, SMART and Promethean, with the aim of setting up their demonstration area.

The Problem

The problem was that in order to set up a working demonstration they needed digital matrixes, splitters and other connector AV equipment that they knew would work with their purchased screens. Therefore, Paragon turned to Smart-e to provide these units, as they needed a company they could trust to provide quality equipment as well as any relevant technical support and product testing.

SDS-1001-H



The Solution

Paragon provided the interactive panels to Smart-e for pre-install testing on a number of Smart-e's products, including matrixes (4K-4x4-L, USB-8x8) and wall/floor plates (SDS-1001). Smart-e then set about testing various products on the provided interactive panels, checking to see whether any problems arose.

The benefit for Smart-e was that we were able to put the knowledge gained through testing these products to good use when it came to designing new products, using the interactive panels as a test bed for future product development. In addition we were able to ensure that our products were fully compatible with existing interactive panel technology, allowing us to assure customers both that our products would work with their panels, and that we would have the ability to repair any problems that may arise from the installation.

The Units

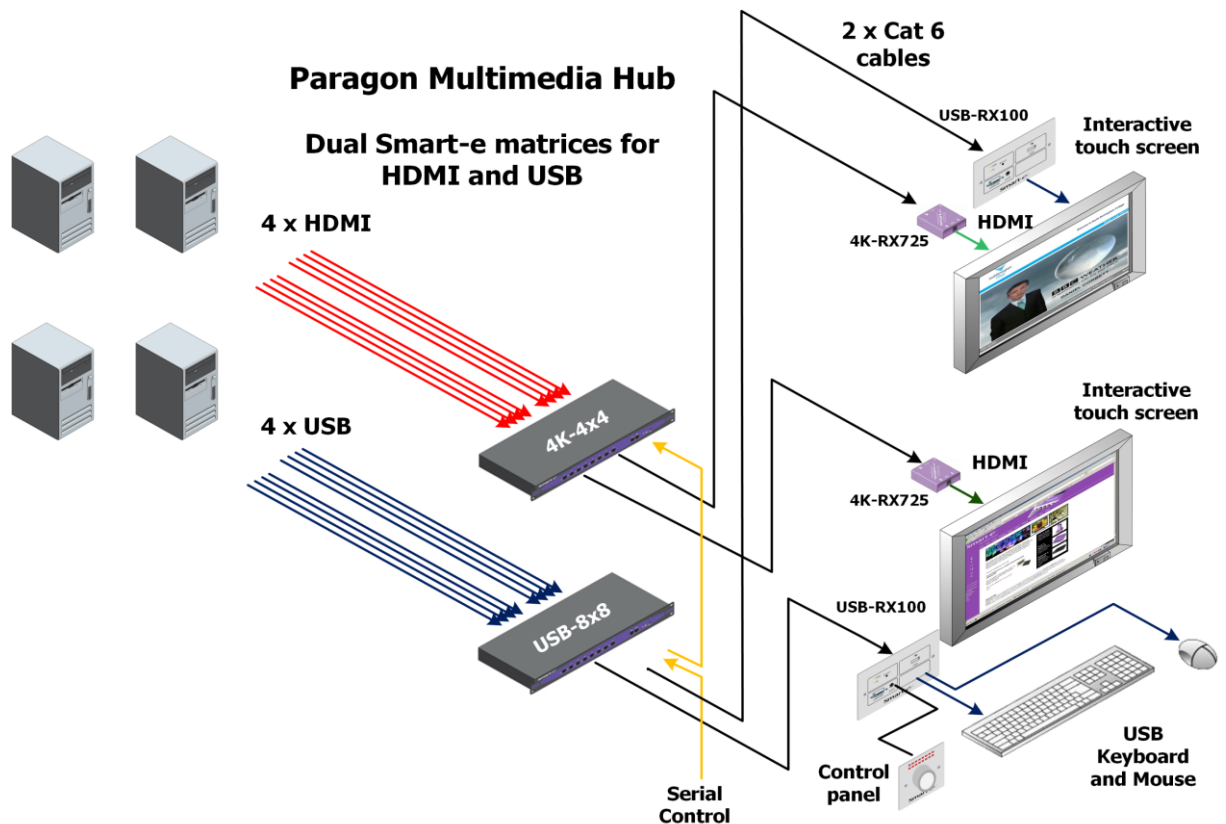
Smart-e supplied all needed units, including our USB Matrices, 4K Matrices and our then premier wall plate, the SDS-1001. When it came time to test it with the SDS-1001 we discovered that the new interactive touch screens required extra USB protocol compatibility, and as a result a USB 2.0 hub was added internally to the SDS-1001, which was then renamed the SDS-1001-H. This update of the SDS-1001 is fully compatible with interactive touchscreens.

The 4K-4x4-L and the USB-8x8 were found to work seamlessly with all of the interactive panels, making them ideal for use in meeting/training rooms, educational installs and commercial/corporate environments where interactive learning and knowledge transfer is paramount. The units work together seamlessly, providing an ideal environment for clients to understand the message that is being put forward

USB-8x8 Control Panel



USB-8x8



Smart-e

DESIGN



INNOVATE



ORIGINATE