

## 8 Port VGA over Cat5 Digital Signage Broadcaster with RS232 & Audio

**Product ID:** DS128



StarTech.com's DS Series Cat5 Digital Signage Broadcaster with RS232 Serial and Audio offers a comprehensive audio and video extension system, with the added benefit of serial control!

Compatible with virtually any VGA-capable PC or Digital Signage media player, the DS128 VGA Splitter lets you deliver VGA video as well as the accompanying audio and serial control signals to the connected Cat5 VGA Receivers (DSRXL - purchased separately), all through one Cat5 cable.

Comprised of this unit (DS128) and the corresponding receivers, our DS Series offers several unique features compared to our other VGA Extenders, including the ability to extend RS-232 serial signals from the source to each display for controlling the displays as well as Java Client Management Software (DSNet Manager) that simplifies adjusting the settings for each receiver and display. The software can be controlled via an Ethernet port on a PC/Media Player or on a LAN (Local Area Network).

Ensuring not only a simple and cost-effective way to extend and control VGA video and the corresponding audio, the DS series (DS128 and DSRXL) also maintains exceptional, high quality video, up to 1600x1200 over a 100m connection. For further extension, you can daisy chain up to five receivers, for a maximum distance of 300m.

## Certifications, Reports and Compatibility

### Applications

- Use digital signage to catch the attention of your audience and deliver up to date content the way you want it to be seen and heard.
- The DS Series can be used in education, healthcare, retail, hospitality, and other environments.
- Broadcast up to 80 displays when daisy chaining receivers. Deliver a VGA, audio and serial signal to each display along with the DSRXL receivers. With RS-232 controls you can control displays from the PC or media player.

## Features

- DS Series 8 Port Broadcaster is able to send out VGA, Audio, and RS-232 signals to the DSRXL receiver
- Supports resolutions up to 1600x1200 at 100m / 300ft distance. Ability to go up to a total maximum 300m / 900ft when daisy chaining a maximum of five DSRXL receivers
- Included DSNet Manager JAVA based software puts you in control. Software allows access to each receiver to configure system, image quality, power on/off receivers, and turn video or audio off.

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### Hardware

|                    |                                       |
|--------------------|---------------------------------------|
| Warranty           | 2 Years                               |
| Ports              | 8                                     |
| Cabling            | Cat 5 UTP                             |
| Audio              | Yes                                   |
| Rack-Mountable     | Yes                                   |
| Industry Standards | DDC/EDID Emulation for port 1 monitor |
| Daisy-Chain        | Yes                                   |

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### Performance

|                            |  |
|----------------------------|--|
| Maximum Cable Length       | 32.8 ft [10 m]   |
| Max Distance               | 300 m / 950 ft   |
| Maximum Analog Resolutions | 1600x1200  |
| Supported Resolutions      | 1600x1200 @ 100m / 330ft<br>1280 x 1024 @ 300m / 950ft |
| Wide Screen Supported      | Yes  |

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### Connector(s)

|                       |                                  |
|-----------------------|----------------------------------|
| Local Unit Connectors | RJ-45                            |
|                       | VGA (15 pin, High Density D-Sub) |
|                       | VGA (15 pin, High Density D-Sub) |
|                       | 3.5 mm Mini-Jack (3 Position)    |



DB-9 (9 pin, D-Sub)

DB-9 (9 pin, D-Sub)

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### Special Notes / Requirements

|                               |   |
|-------------------------------|---|
| System and Cable Requirements | One <a href="http://www.startech.com/item/DSRXL">Cat5 VGA Receiver</a> (DSRXL) per monitor you are connecting |
| Note                          | Up to 5 receiver units can be daisy-chained from the broadcaster unit extending to a maximum distance of 300m |

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### Indicators

|                |   |
|----------------|---|
| LED Indicators | Power (Red)                             |
|                | Link (Green) - LAN link status          |
|                | 10/100 (Red) - LAN speed                |
|                | Receiver (Green) - Receiver link status |

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### Power

|                              |                     |
|------------------------------|---------------------|
| Power Source                 | AC Adapter Included |
| Output Voltage               | 5 DC                |
| Output Current               | 2A                  |
| Center Tip Polarity          | Positive            |
| Plug Type                    | M                   |
| Power Consumption (In Watts) | 10                  |

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### Environmental

|                       |                           |
|-----------------------|---------------------------|
| Operating Temperature | 0C to 40C (32F to 104F)   |
| Storage Temperature   | -20C to 60C (-4F to 140F) |
| Humidity              | 0~90% RH                  |

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### Physical Characteristics

|          |       |
|----------|-------|
| Color    | Black |
| Material | Steel |



|                   |                   |
|-------------------|-------------------|
| Product Length    | 11.8 in [30.0 cm] |
| Product Width     | 6.3 in [16.0 cm]  |
| Product Height    | 1.6 in [40.0 mm]  |
| Weight of Product | 3.1 lb [1.4 kg]   |

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**Packaging Information**

|                           |                   |
|---------------------------|-------------------|
| Package Length            | 12.6 in [32.0 cm] |
| Package Width             | 9.8 in [24.9 cm]  |
| Package Height            | 6.8 in [17.2 cm]  |
| Shipping (Package) Weight | 5.9 lb [2.7 kg]   |

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**What's in the Box**

|                     |  |
|---------------------|--|
| Included in Package | Digital Signage 8 Port Transmitter     |
|                     | Rack Mounting Brackets (w/ Screws)     |
|                     | VGA Cable                              |
|                     | 3.5mm Audio Cable                      |
|                     | DSNet Manager Software CD              |
|                     | Universal Power Adapter (NA/UK/EU/AUS) |
|                     | Instruction Manual                     |

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***\*Product appearance and specifications are subject to change without notice.***

