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DA4X-R

SPDIF 4x1
Digital Audio Switcher
Toslink and Coax Inputs
With IR Remote Control
& RS-232 Serial Option

Overview And Uses

The DA4X-R is a 4x1 SPDIF Digital Audio Switcher. It can take up to 8 inputs (4-Toslink and 4-Coax) and send one of those inputs to both outputs simultaneously.

The inputs can be any standard Consumer digital Audio type such as:
- **SPDIF(IEC 958) format Audio.**
- **Toslink/Coax**
- **DTS/Dolby Digital/AC3/PCM**

Please note that If you connect both Toslink and Coax to a single input, it will default to the Coax input, if a signal is present.

The DA4X-R does not "process" the audio in any way. So if the source is DTS encoded on the input, it will be DTS encoded on the output. The only conversion that takes place is between the Optical and Coax.

There are 3 ways to control the DA4X-R.

1– Front Panel Switch for cycling though the inputs. Each press advances the input.

2– IR Remote Control for direct selection of desired input. Visit www.inday.com to download "Universal" remote configuration files, such as the Philips Pronto ™.

3- RS-232 Serial Port (optional) for direct computer control and status. Useful for integrating into advanced automated systems. See "RS-232 Control" section for further information.

Setup

Connect your Digital Audio sources, such as HDTV Receivers, DVD Players, CD Players to the Inputs of the DA4X-R.

Connect one or both of the outputs to your Digital Receiver/Amplifier.

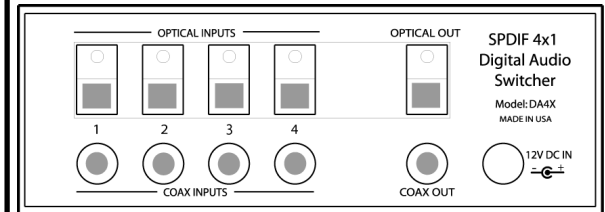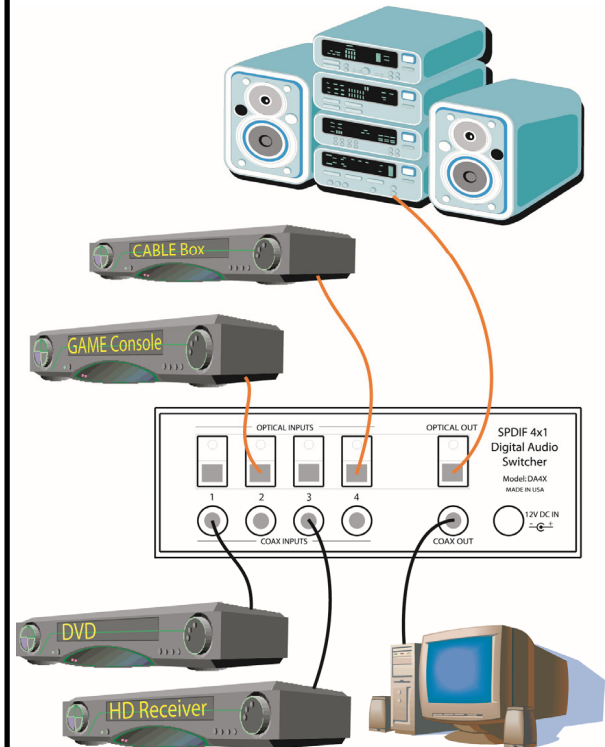See the following diagram for typical connections.

Figure 1 -Connectors

Figure 2 - Home Theater Configuration

Remote Control

The DA4X-R comes with a 18 button IR Remote that is arranged in 3 columns of 6 buttons.
The DA4X-R can be programmed to respond to any one of these columns.

The DA4X-R is initially programmed to use the middle group of buttons. You may want to re-program the unit to use the other button groups in the following situations:

1. You have two DA4X-R and want to operate them separately.
2. You have an RGB4X-R Component Video Switcher or AV4X-R and you want them to switch in sync with one button push
3. You like another column better!

Perform the following steps to Re-program the DA4X-R

1-Remove power from the unit by unplugging the 12VDC Connector
2-Press and hold the front panel button
3-Apply power to the unit.
4-Release the front panel button after the display stops blinking.

Each time you perform this operation you are sequencing the button group the DA4X-R responds to.

RGB4X-R   DA4X-R   AV4X-R

ON   ON   ON

OFF   OFF   OFF

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INPUT SELECT

1   1   1

2   2   2

3   3   3

4   4   4

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RS-232 Control Option

RS-232 serial control is provided through a 3.5mm stereo jack on the rear panel. A 3.5mm to DB9 crossover cable is provided. Any Terminal communications program such as Windows "HyperTerminal" will work for control.

Communications parameters are: 9600,N,8,1. See specifications for wiring information.

Once connected, pressing the Enter key will cause the DA4X-R to respond with its help message:

"DA4X-R Online! Type "S" for Status, Numbers 1-4 for control."

For current status, type the character "S" followed by the "Enter" key. The current input is returned.

To switch inputs, type numbers 1, 2, 3 or 4 then "Enter" . The unit will switch inputs and return a status message.

All other characters will return the help message.

If the DA4X-R is in a powered-off mode via the IR remote control, any Serial port activity will restore power.

Questions

Q: Can I use both Toslink and Coax inputs?
A: Yes! The output will default to the coax input if there is a signal present. If you turn off the source feeding the Coax input, it will switch to the Toslink input. Please note that some equipment will send a signal even in the stop mode.

Q: I have a RGB4X-R Component Video Switcher. How can I operate the DA4X-R so the remote does not switch the RGB4X-R
A: See the "Remote Control" section on programming the remote to use an alternate set of remote buttons.

Specifications

All INPUTS:
    4 Gold Plated RCA
    4 Toslink w/Shutters
    Accepts any standard SPDIF format

OUTPUT:
    1 Gold Plated RCA
    1 Toslink w/Shutter

POWER:
    12VDC-Unregulated(18VDCMax)
    @ 200ma Max.
    Wall Transformer supplied

DIMENSION:
    4"W x 6"L x 2"H

TEMPERATURE
    0 TO 50 DEGREES C

HUMIDITY
    0 TO 90% (non-condensing)

RS-232 SERIAL INTERFACE:
    3.5mm Stereo Jack
    Tip: Tx, Ring: Rx, Sleeve: Gnd

Disclaimer

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