



**ESX DRDS-14 –
programmable input and
switch for 4 devices**

clever Schaltkästchen

► Why hasn't this been done before? A small box that can switch and manage extensive audio systems so that all components start up cleanly and then shut down again in the same way?

For many normal users, it may seem unnecessary to think about switching on the car audio system. You just switch it on and that's it. But who

Anyone who has ever experienced how the engine almost dies when two kilowatt-strong power amplifiers are started at the same time knows what we are talking about. Unpleasant switching noises such as

Popping or low-frequency rumbling is not what you want. The solution is now available from ESX, where the DRDS-14 is called in the best modern German "Smart Remote Delay Switch". The matchbox-sized box also serves as a voltage display and can manage four switching outputs. These four outputs serve system components such as power amplifiers as a remote signal for switching on and off.

Switch off. The DRDS-14 is connected to the on-board power supply and switched on by a remote input. Depending on the programming, four outputs are then assigned switch-on voltage and serve as a switch-on signal for devices. There are four buttons, A and B for selecting the size to be set and C and D as plus and minus buttons for setting the value. A total of six LEDs provide information on the operating status.

overvoltage and undervoltage protection

Although modern car audio components should be able to handle more voltage, there are still retrofitted electronics that cannot handle much more than the good old alternator voltage of 14.4 volts. In extreme cases, this can lead to the destruction of the components. The DRDS-14 therefore offers protection against overvoltage and undervoltage. With button A, the low voltage is set first and then the high voltage, so that a voltage range of, for example, 9 to 15 volts is obtained, where operation

is allowed and the four control lines are on. If the operating voltage at the input of the DRDS-14 is outside the set range, the connected devices are switched off. The voltage display on the DRDS-14 can also be calibrated so that it can work precisely and the same thing always appears on the display when there are several voltage displays.

on and off delay

The main function of the DRDS-14 is the switch-on delay. Anyone who drives around an XXL system, preferably with several large power amplifiers, will have already learned that there are a lot of capacitors inside that can all draw power at the same time when switched on. Such unpleasant effects can be elegantly avoided by switching the components on one after the other, and that is exactly what the DRDS-14 does. For each of the four channels, a delay between 0 and 30 seconds can be set, so that the four devices can be switched on nice and cleanly.

one after the other. If you want, you can follow the countdown on the display, and four status LEDs show which channel has already been switched up. When switching off, a switch-off sequence can be programmed independently, then the whole thing goes off one after the other. The good thing about it: The DRDS-14 retains its programming even when the power is off, so that everything is there again when the system is switched back on.

Conclusion

Not everyone needs it, but those who do will appreciate it. The DRDS1-14 is a lifesaver when in doubt.

Elmar Michels



The display shows "Lo" or "Hi" to indicate which voltage is being set. When programming the on and off delay, LEDs show which channel is being set and whether it is "turn on" or "turn off".

In normal operation there is a permanent voltage display

ESX DRDS-14

Price	around 50 euros
distribution	Audiodesign, Kronau
hotline	07253 9465-0
Internet	www.esxaudio.de

Variable remote signal transmitter for four devices

- Voltage display
- Power-on delay 0-30 seconds for 4 devices in succession
- Switch-off delay 0-30 seconds for 4 devices in succession
- Switch off in case of overvoltage (9 – 16 V)
- Switch off in case of undervoltage (8 – 15 V)

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ESX DRDS-14

"Practical helper for high-wattage systems."