

# Multiswitch DR 17xx



Product information



## **Multiswitch DR 17xx**

This product line with 16 + 1 inputs for 4 satellites and 8, 12, 16, and 24 outputs has been designed as a cost efficient cascable multiswitch family with external power supplies to build IF-networks for up to more than 1000 subscriber.

It is also a related amplifier DR1717 available as well as the external power supply.

### **Features:**

- Cascadable multiswitches with 16 satellite and 1 terrestrial input
- Return path capability
- High sat signal level at active subscriber outputs
- High isolation
- Integrated DC-port to connect an external power supply
- The multiswitch is power fed by the receiver

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# Multiswitch DR 17xx



| Type                              |                   | DR 1708  | DR 1712      | DR 1716      |
|-----------------------------------|-------------------|--|--------------|--------------|
| No. of inputs                     | IF                | 16 (F)   | 16 (F)       | 16 (F)       |
|                                   | Terr.             | 1 (F)  | 1 (F)        | 1 (F)        |
| Cascade outputs                   | IF                | 16 (F)   | 16 (F)       | 16 (F)       |
|                                   | Terr.             | 1 (F)  | 1 (F)        | 1 (F)        |
| Subscriber outputs                |                   | 8 (F)  | 12 (F)       | 16 (F)       |
| Selection LNB                     |                   | 14.5 – 15.5 V DC, 22 kHz +/-4 kHz; DiSEqC 2.0    |              |              |
| Frequency range                   | IF                | 950 – 2150 MHz                                   |              |              |
|                                   | Terr. Downlink    | 5 – 862 MHz                                      |              |              |
|                                   | Terr. Uplink      | 5 – 65 MHz                                       |              |              |
| Through loss subscriber outputs   | IF@950MHz         | -4 dB  | -5 dB        | -6 dB        |
|                                   | IF@2150MHz        | -4 dB  | -5 dB        | -6 dB        |
|                                   | Terr. out 1-4     | -16...-20 dB                                     | -19...-23 dB | -19...-23 dB |
|                                   | Terr. out 5-6/5-8 | -16...-19 dB                                     | -19...-23 dB | -19...-23 dB |
|                                   | Terr. out 9-12    |  | -19...-23 dB | -19...-23 dB |
|                                   | Terr. out 13-16   |  |              | -19...-23 dB |
|                                   |                   | (typical values within a tolerance of +/-1.5 dB) |              |              |
| Through loss cascade trunk        | IF                | -2 dB+/-1 dB                                     | -3 dB+/-1 dB | -3 dB+/-1 dB |
|                                   | Terr.             | -3.5 dB  | -3.5 dB      | -4 dB        |
| Max. input level                  | IF                | 95 dB $\mu$ V                                    |              |              |
|                                   | Terr.             | 110 dB $\mu$ V                                   |              |              |
| Max. output level (EN50083-3)     | IF                | 94 dB $\mu$ V                                    |              |              |
|                                   | Terr.             | 92 dB $\mu$ V                                    |              |              |
| Return loss inputs/ outputs       |                   | >8 db (typ. 10 dB)                               |              |              |
| Isolation                         | IF/IF             | >30 dB   |              |              |
|                                   | IF/Terr.          | >35 dB   |              |              |
| EMC                               |                   | Compliant to EN50083-2                           |              |              |
| Max. current from receiver        |                   | 50 mA  |              |              |
| DC-port for external power supply |                   | Yes  |              |              |
| Operating temperature             |                   | -20 °C...+60 °C (Indoor use only!)               |              |              |
| Dimensions in mm                  |                   | 340x105x40                                       | 340x215x40   | 340x215x40   |

## Accessories:

- DR 1600      Power supply 1.6 A
- DR 3000      Power supply 3.0 A
- DR 1717      SAT/TERR amplifier



## WISI Communications GmbH & Co. KG

Empfangs- und Verteiltechnik  
P.O. BOX 1220  
75219 Niefern-Oeschelbronn, Germany

Phone +49 72 33-66-280 Fax -3 50  
export@wisi.de  
www.wisi.de



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