

# P.168 / P.168-W Installation Instructions

## 1. Connection of cables

The switch P.168 includes 8 input connectors and 1 output connector. Coaxial cables from particular LNBs (satellite converters) shall be connected to input connectors (INP1 to INP8). It is advisable to note down assignment of the inputs. The output connector (OUT) shall be interconnected through a coaxial cable with a satellite receiver.

For a long-lasting operation of the switch it is advisable to use high-quality coaxial cables designed for frequencies up to approx. 2 GHz.

## 2. Receivers setting

The receiver setting method differs depending on the control mode of the system, and on the DiSEqC protocol version supported by the receiver.

A/ Setting according to DiSEqC 1.1 protocol

If a receiver supports DiSEqC 1.1 protocol, set correct data in the fields for "committed switch (DiSEqC)" and "uncommitted switch" for each of the connected LNBs in the configuration menu. Please choose one of the following tables according to the model of your switch, V1 or V2. If your product is not differentiated by V1 / V2, use labeling of input connectors: if first input (INP 1) is labeled "com A, uncom A", follow Table 1. If the first input (INP 1) is labeled "uncommitted switch 1", use instead Table 2.

Table 1: P.168 V1 / P.168-W V1

Sat System A:	committed A (1)	uncommitted A (1)
Sat System B:	committed B (2)	uncommitted A (1)
Sat System C:	committed C (3)	uncommitted A (1)
Sat System D:	committed D (4)	uncommitted A (1)
Sat System E:	committed A (1)	uncommitted B (2)
Sat System F:	committed B (2)	uncommitted B (2)
Sat System G:	committed C (3)	uncommitted B (2)
Sat System H:	committed D (4)	uncommitted B (2)

Table 2: P.168 V2 / P.168-W V2

Sat System A:	committed none	uncommitted 1
Sat System B:	committed none	uncommitted 2
Sat System C:	committed none	uncommitted 3
Sat System D:	committed none	uncommitted 4
Sat System E:	committed none	uncommitted 5
Sat System F:	committed none	uncommitted 6
Sat System G:	committed none	uncommitted 7
Sat System H:	committed none	uncommitted 8

B/ Setting according to DiSEqC 1.2 protocol

If a receiver does not support DiSEqC 1.1 version, but supports DiSEqC 1.2, receiver setting shall be carried out as if it has a DiSEqC motor. One of the satellites to be received shall be selected along with continuous holding of the push-button for motor rotation depressed (East or West) until the signal of respective satellite appears in a sufficient intensity and quality. Then stop the rotation immediately and save the found position. Repeat the search for all connected LNBs (all inputs)

C/ Setting according to DiSEqC 1.0 protocol

If a receiver only supports the basic version of DiSEqC standard, i.e. 1.0, then it is only possible to select the first four Sat Systems of the unit (Sat System A to Sat System D). In this case the receiver shall be set in the

same way as for a common four-input DiSEqC relay, i.e. one of positions A, B, C, D, (1 to 4) shall be defined for each connected LNB.

#### D/ Switch reset

If the switch does not react to receiver commands, apply the reset of switch with turning the receiver off and on, or disconnecting the cable from receiver.

Switch must be reset whenever any of following DiSEqC mode control change should happen:

1.1 to 1.2

1.1 to 1.0

1.2 to 1.1

1.2 to 1.0

Note: The configuration procedures for particular receivers can differ. The instructions included in the operating manual of a receiver shall be followed. Dreambox users can find detailed instructions in our download page.

### **3. Known compatibility issues**

#### **Dreambox DM7025, DM800**

Switches P.168 manufactured before 9/2008 and P.168-W manufactured before 6/2008: While switching, suspected short interrupts of LNB power cause reset of the switch and loss of reception. Switches are adapted since June 2008 (P.168-W) or September 2008 (P.168), older products can be modified in the factory (charged service), or by qualified user (instructions will be sent upon request).

#### **Technisat Digit C (may apply also to other Technisat models)**

DiSEqC 1.2: Idle time gap is inserted by the receiver while switching to other LNB. This prolonges switching time. (DiSEqC 1.1 is not supported by the receiver.)

#### **Lemon 042 CI (may apply also to other Lemon models)**

DiSEqC 1.2: After power-on the switch is not initialized by receiver. The switch sticks on input 1 until other satellite is required by the receiver. (DiSEqC 1.1 is not supported by the receiver.)