



# 5 cable dSCR system Multiswitch programmer

The PC102W - single cable multiswitch programmer is useful instrument while configuring and troubleshooting SAT IF distribution system built on dSCR multiswitches based on new digital channel stacking components. The application software “dSCRmaster” for Windows operating system PCs allows simply change parameters of the multiswitch: operating mode (static or dynamic), frequency plan for static mode, frequency and bandwidth of user bands for dynamic mode, output power level of each user band carrier and etc. Service mode of the multiswitch could be switched on for quick finding the problem during installation work. In an internal memory four different configuration files can be stored (prepared on the PC) and send to the multiswitch by pressing dedicated buttons on the PC102W. The programmer can feed DC power for the multiswitch using the external AC/DC power adapter and allows parallel connection to a PC over USB cable. The remote Wi-Fi access allows to modify parameters of dSCR multiswitch from any device (tablet, smartphone, laptop, PC) using web browser. The PC102W, wirelessly connected to the Wi-Fi access point, can be used for remote control and monitoring of the multiswitch. The programmer is supplied with an external AC/DC adapter and a USB cable. An application SW “dSCRmaster” is available from the Web.

- store and upload up to 4 users selectable configurations
- no PC required for configuration uploading
- LED status indicator
- free PC application SW for creating new configurations
- Web & remote control through Wi-Fi access
- die-cast housing inside plastic case
- connectors:
  - RF ports & DC input - type F
  - PC connection - micro USB



Technical specifications	
T Y P E	PC102W
Ordering number	02785
Frequency range	DC +22 kHz, 47-2400 MHz
RF through loss	< 1.5 dB
Multiswitch powering/control	14/18 V & 600 mA max. EN50494/EN50607/DiSEqC 2.0
Supply voltage	18 - 20 V
Current consumption	5 V 200 mA (from USB port) 20 V 50 mA* (from mains adapter)
Operating temperature range	0° ÷ + 50° C
Dimensions/Weight (packed)	133x73x39 mm/0.36 kg

\* without external feeding

The screenshot displays the dSCRmaster software interface. On the left is a navigation menu with options: Main, Settings, Status, Set default parameters, Firmware upgrade, and Restart the device. The main area is divided into several panels:

- Input parameters:** Total satellites (1), LNB type (QUATRO), LNB LO frequency low (9750 MHz), LNB LO frequency high (10600 MHz).
- Configuration:** Satellite (A), LNB LO frequency low (9750 MHz), LNB LO frequency high (10600 MHz).
- IP parameters:** Mode (Access point), SSID (PC102W), WEP key (\*\*\*\*\*), IP address (192.168.3.1), HTTP server port (80).
- Device parameters:** DSCR power (ENABLED).
- Device information:** Device model (PC102W), Serial number (PC102W0016470146), Software version (1.1), Hardware version (1.2), MAC address (00 1C A3 00 29 55), IP address (192.168.3.1), Up time (0:00:23).
- DC parameters:** Power voltage (20.0 V), Input voltage (18.1 V), Output voltage (17.6 V), Load current (0.280 A).
- SAT A DSCR device information:** Model (SRM521), Serial number (SRM5210016490204), Software version (1.4), Hardware version (1.2), Up time (0:00:11).
- SAT A total input power:** Vertical LO (52 dB), Horizontal LO (48 dB), Vertical HI (50 dB), Horizontal HI (50 dB).

The central table shows 17 channels with columns for No, Type, Output frequency, Bandwidth, Level, dB, PIN, and EN50494 UB 1, EN50494 UB 2, EN50607.