

## ASTRO HE-Programming Software

The headend programming software simplifies and facilitates the programming of X-8.../V-16 headend systems with a PC or Laptop. The user can store all headend parameters (already) in the office before commissioning, for example: received satellite, SAT programs, Output channel, Program video and audio parameters on PC or laptop and save to storage media. The user also has the option of remotely programming and maintaining headend devices via modem.

These added features save the network operator service costs, e.g. when changes occur in transponder assignments. They mean rapid response in the event of processing card failure (replacement signal switching). The software supports the possibility for the backup signal circuit. The following processes are carried out in an automated manner: switch off (RF) of the failed module, copying of all the operating parameters of the faulty module to the redundancy module, switch on (RF) of the redundancy module.

With the HE Programming software, up to 20 X headend devices can be saved in a configuration file. From the menu item "Display unit" the user has the option of accessing the program parameters of an already existing headend and easily edit and modify. Current program satellite assignments are stored in a dedicated "SAT database". These files can be updated and changed by the user.

**Eingangsparameter**

Belegung der Eingänge

Satellit	Polarisation / Band	LNC-Frequenz
1: unbelegt	horizontal / Low	9750 MHz
2: unbelegt	horizontal / Low	9750 MHz
3: unbelegt	horizontal / Low	9750 MHz
4: unbelegt	horizontal / Low	9750 MHz
5: unbelegt	horizontal / Low	9750 MHz
6: unbelegt	horizontal / Low	9750 MHz
7: unbelegt	horizontal / Low	9750 MHz

SAT-Verteilfeld (VMS 616)

☒ installiert  
Mode: standard

Eingänge des SAT-Verteilfeldes:  
Eingänge 11+12+13+14 werden auf alle Einsteckkarten verteilt.  
Eingänge 15+16 werden nicht verteilt.

Satellit	Polarisation / Band	LNC-Frequenz
11: Astra_19.2G0	horizontal / High	10600 MHz
12: Astra_19.2G0	horizontal / Low	9750 MHz
13: unbelegt	horizontal / Low	9750 MHz
14: unbelegt	horizontal / Low	9750 MHz
15: unbelegt	horizontal / Low	9750 MHz
16: unbelegt	horizontal / Low	9750 MHz

Schliessen

**Bearbeitung der digitalen Satellitenprogramme**

Satellitenauswahl

- Astra\_19.2G0
- Astra\_23.5G0
- AstRad\_19.2G0
- Att\_Bird\_08Gw
- Att\_Bird\_08Gw
- Eutelsat\_07G0
- Eutelsat\_07G0

Neu Umbenennen Löschen

Programmpakete des ausgewählten Satelliten

ARD Digital 1 (TP71)

Programmpaket: ARD Digital 1 (TP71) Freq.: 11836 MHz

Polarisation / Frequenzband

☐ horizontal / Low ☐ vertikal / Low

☒ horizontal / High ☐ vertikal / High

Symbolrate: 27500 kS/s

Viterbrate: 3/4

TS-ID: 1101

Original Network-ID: 1

Enthaltene Programme

ARD	Südwest BW	BR Alpha
Südwest SR	WDR Fernsehen	Bay. Fernsehen
Phoenix	arte	Hessen Fernsehen

Neu Löschen

Schliessen