



# ETA-100

## Digital Terrestrial Receiver

Art.no: 105100.02

### PRODUCT INFORMATION

#### ETA-100

The ETA-100 is a high quality Professional Digital Terrestrial Receiver that incorporates embedded Conax and Common Interface for direct connection to a CATV/SMATV network. The ETA-100 can easily be connected to the CATV modulators EVA-200 and EVA-210.

#### Features:

- High quality professional digital terrestrial receiver
- COFDM to audio/video
- 2K and 8K compatible
- For operation in SMATV and Cable TV head ends
- Embedded Conax
- Common Interface
- 16:9/4:3 conversion, letterbox, Pan-scan, 14:9
- Video (phono) and stereo audio (phono) outputs
- PAL/SECAM/NTSC operation
- Settings with PC or PALM PDA (RS-232)
- Low power consumption



DVB's main transmission standards, DVB-S for Satellite, DVB-C for Cable and DVB-T for terrestrial, dominate the world and are the basis for most of the alternative standards.

# design for TV

# ETA-100 Digital Terrestrial Receiver

## TECHNICAL SPECIFICATION

(This specification may be subject to change without notice).

### Connectors and Interfaces

Control connector	9pin male, D-sub
Antenna input connector	F female
Video output connector	Phono female (yellow)
Audio output connector	Phono, female (R red, L white)
LED Indicator lights	Power on, Error, Access error
Smartcard connector	ISO 7816
CAM connector	PCMCIA (5 VDC)
Remote controls	Settings of Tuner frequency or Channel, Bandwidth, Service, Language, Audio and Video formats

### MPEG Decoder - Video

Output standards	PAL, SECAM or NTSC
Impedance	75 $\Omega$
Output level	1 Vpp @ 75 $\Omega$
Aspect Ratio	Letterbox, Pan/Scan, or conversion Combined (14:9) programmable
Teletext	Insertion in VBI Subtitling Teletext or DVB subtitling
Decryption	Embedded Conax, Common Interface

### COFDM Terrestrial Receiver

Input Frequency	47-860 MHz
Input impedance	75 $\Omega$
Input return loss	7 dB
Input level range	-75 to -35 dBm 1)
C/N limit	18 dB 1)
Bandwidth	6/7/8 MHz
DVB compliant	DVB-T (2K and 8K)
Co/adj channel	Compliant to Nordig 2 PAL

1)QEF reception with test signal :8K, 64 QAM, 1/4 guard interval, 2/3 FEC

### MPEG Decoder - Audio

Output	Stereo or Mono
Impedance	< 100 $\Omega$
Output level	0dBm @ 600 $\Omega$ (0.77 Vrms) variable

### Miscellaneous

Power supply	6-9 VDC (7,5 V nom.)
Power consumption	Typ. 6 W
Dimensions	160x105x20 mm (exclusive connectors)
Weight	Approx. 330 g
Controller	Palm PDA or PC (software included)
Operating temperature	0 to +50°C

645100.01 rev\_A

To view our full line of Professional E-series Products, visit our Web site at [www.a2b.se](http://www.a2b.se).



**A2B Electronics AB**

P.O. Box 14  
SE-591 21 Motala  
Sweden

Phone +46 141 229100

Fax +46 141 229101

E-mail [market@a2b.se](mailto:market@a2b.se)

[www.a2b.se](http://www.a2b.se)