

## EasyDAB

*The cost effective live ETI file generator for testing DAB/DAB+/DMB services, without buying a complete and expensive head-end system*



### Introduction

The **EasyDAB** is a product based on the same technical platform as the DAB/DAB+/DMB head end multiplexer of DIGIDIA. It is a high performance and cost effective live ETI file generator designed for test applications of receiver and transmitter manufacturers, as well as chip makers. Easy to use and compact sized, the **EasyDAB** includes all the technical features and performances of a high-end head end system. By adding a TPEG encoder the **EasyDAB** can easily be transformed into a **TPEG Test Kit**.

### Key Features

- 1RU Industrial PC with Auto Range power supply and Windows XP Pro
- ETI output compliant with ETS 300 799
- Complete multiplexing with FIC, MSC, Packet
- Mode 1, 2, 3 and 4 supported

### Basic Features

- One DAB audio encoder (MPEG Layer II) with PAD DLS inserter & server
- One DAB+ audio encoder (AAC+) with PAD DLS inserter & server
- One DMB inserter (both video and visual radio profiles, DMB files or TS files)
- ETI file recording and playing

### Features for Receiver Profile 1

- ✓ Announcement Signaling & Switching
- ✓ Service Following
- ✓ NPAD EPG Inserter
- ✓ NPAD TPEG Inserter

### Features for Receiver Profile 2 & 3

- ✓ PAD MOT (Slides Show & BWS)
- ✓ NPAD MOT (Slide Show & BWS)
- ✓ BIFS Inserter for DMB Visual Radio Encoder

### Software options on request:

- ✓ Additional Audio Encoders (DAB or DAB+)
- ✓ IP tunneling system (with EPM)

- ✓ MPEG Surround Encoder
- ✓ Automatic Configuration Scheduler
- ✓ Additional DMB Inserter for one service (TS over IP)
- ✓ Additional DMB Visual Radio Encoder (Live AAC+ audio encoding and H.264 video encoding of jpeg; png or bmp pictures)
- ✓ MPEG4 AVC H.264 Video Encoder for live video encoding with AAC+ audio encoder
- ✓ ISET's TPEG Encoder
- Many hardware options:
  - ✓ ETI G703 (NI and NA) card for live ETI output
  - ✓ Audio board for up to 4 live audio inputs (one analog XLR and three analog RCA)
  - ✓ Video Board for one video live input
  - ✓ Band III or L-Band modulator with direct RF output (0dBm) – IP input or G703 input
  - ✓ Low Power Amplifier
  - ✓ Transmitting antennas (Band III or L-Band)
  - ✓ Programmable attenuator up to 120dB attenuation (step of 1dB)
  - ✓ DAB/DAB+/DMB Monitoring receiver

### Specifications

- Inputs
  - ✓ Wave files for audio content (48kHz sampling),
  - ✓ Text files for DLS, Jpeg or Png files for MOT Slide Show,
  - ✓ DMB TS files for testing DMB video or Visual Radio (TS file player included)
- Outputs
  - ✓ Basic ETI over IP output (RJ 45)
  - ✓ ETI file generation
  - ✓ G703 card (hardware option)
- Control & Monitoring
  - ✓ Control Software included
  - ✓ Web based GUI through Http
  - ✓ Ethernet 10/100 Base-T – RJ45 connector

