Digital World Traveller DRM Receiver

Version 1.0

Description

The Digital World Traveller is a small, universal and easy to use mobile radio receiver for reception of Digital Radio Mondiale (DRM) broadcasts, the new standard for digital broadcasting below 30 MHz, as well as for analogue broadcasts in the FM and AM bands.

The Digital World Traveller consists of a receiver box, which is connected to a Notebook/PC over USB, and a software to control the receiver box and to perform the decoding of the DRM broadcasts. The software controls all functions of the Digital World Traveller and allows the storage of up to 10 stations for each frequency band. In the DRM mode, the software indicates the available service components and text messages of a DRM broadcast. An expert mode window provides additional informations about the service components and also displays the spectrum of the received signal.

The receiver box is powered over the USB interface, so no external power supply is required.

Supported DRM Modes

The DRM Receiver currently supports the following DRM modes:

- **Channel coding and modulation:**
  All channel coding and modulation modes specified in the DRM specification, including:
  - all code rates,
  - EEP and UEP,
  - Standard and Hierarchical modulation (SM, HMSym and HMMix).
  - Both MSC constellations (64QAM and 16QAM)
  - Both SDC constellations (16QAM and 4QAM)
  - Long and short cell interleavers
- **Transmission structure:**
  - All robustness modes (A,B,C and D)
  - Spectral occupancies (4.5, 5, 9, 10 kHz)
- **Source Coding**
  - aacPlus (AAC+SBR) mono, parametric stereo, stereo, HVXC and CELP speech coding and SBR for speech coders

Interfaces

- Antenna input for loop and wire antennas (switchable by software)
- Headphones output
- USB interface for connection to a Notebook/PC

Supported operating systems

Windows 2000, Windows XP Home Edition and Professional

Other specifications

Dimensions: L x W x H: 11 cm x 6 cm x 3 cm
Weight: 110 g (receiver box only)
Operating temperature: 10-40° C

Included in delivery

- Digital World Traveller Receiver Box
- Digtal World Traveller Software on CD
- Operation manual on CD
- USB cable
- Wire antenna

Contact

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Note: The information given in this product sheet is preliminary information and is subject to change without notice.