



# DABAir-II Plus

## USB Receiver for RF and DAB/DAB+/DMB Service Monitoring



DABAir-II Plus is a compact USB receiver for DAB/DMB Audio, Video and Data service monitoring.

Typical applications include: use by broadcasters and network providers for quality of service and coverage checks, regulatory authorities and as a reference tool for manufacturers.

DAB Modes 1, 2, 3 and 4 are supported for frequencies in both Band III and L-Band ranges.

The receiver software runs under Windows XP, Vista or Windows 7, with control and status via a USB port, making DABAir-II Plus ideally suited to both fixed and mobile monitoring applications.

DABAir-II Plus is supplied with software that includes RF signal display and logging; Ensemble configuration; DAB Transport Mode and service details.

The Multi-unit option enables up to three frequencies to be monitored using a single PC.

Services can be streamed via UDP to an optional DAB/DMB Player/Monitor (DxB Player application), which supports DAB, DAB+, DMB and Data services.

The DxB Player can be specified with either single service or multiple service display.

The optional GPS extension provides display and logging of RF signal and error status with location, time and speed.

### Highlights

- Band-III and L-Band
- USB connection to PC
- TII information display
- Signal alarm
- OFDM status
- Total bit rates and CU allocation status
- RSSI measurement
- Antenna loss compensation
- Single and multi-service media player and monitoring options
- Multi-ensemble option
- Comprehensive RF logging
- GPS option, compatible with Google Maps and Google Earth
- Remote control via Ethernet option
- Mobile applications - with Laptop PC
- Static applications – plug-in or can be installed inside desktop or rack-mount PC

# DABAir-II Plus

## Specifications

### DAB Modes

I, II, III, IV

### Frequency Range

Band III: 167MHz - 240MHz  
L-Band: 1,452MHz - 1,492MHz

### Sensitivity

Band III -102dBm (Max)  
L-Band -97dBm (Max)

### RSSI Level Accuracy

±5dBm

### Maximum RF Input Signal Level

Up to 0dBm

### Recording

Save FIC  
Save one selected service

### Antenna Loss compensation

Compensation setting for RF signal loss

### RF Level Display

RSSI - Received Signal Strength Information  
Signal Quality

### Service bit rates and CU allocation display

Total bit rate information graph  
CU allocation for each service

### Signal Alarm

Settable threshold value of RF signal level

### Multi-Ensemble Option

Up to 3 DABAir-II Plus receivers can be connected to a single PC

### RF Logging

RF Level (RSSI)  
FIC CRC Error Rate  
MSC CRC Error Rate  
TII  
CSV log file format

### Optional GPS Logging

As per RF logging, plus:  
Speed, Latitude and longitude  
KML and HTM log file formats compatible with Google Earth and Google Maps

### DMB TS Information Display

DMB TS Bit error-rate, Byte error-rate, Packet error-rate, Synchronisation and User Data Type (Profile)

### Connectors

RF: Individual SMC connectors for Band-III and L-Band  
USB: Receiver to PC  
USB: Internal USB hub to PC (for licence keys)  
USB: GPS receiver input

### Operating specifications

Voltage: 5V DC, 180mA (excluding GPS receiver)  
Operating temperature: 5° - 40°  
Operating humidity: 45% - 85% RH

### Dimensions

120mm x 100mm x 20mm

### Minimum Host System Requirements

Dual-Core Pentium 2GHz, 1GB memory  
Windows XP Pro, Windows Vista, Windows 7 (32-bit)  
Display resolution 1200 x 800 (minimum)

## DxB Player Media Player and Monitor Options

Single-service and Multi-service player and monitor options are available for the majority of audio video and data service types. A separate EPG Viewer is also available. The Multi-service option supports up to 4 audio & data services with an aggregate limit of 400kbits/s, or up to 3 DMB services with an aggregate limit of 640kbits/s. The combined total of all services types is limited to 800kbits/s.



DMB with BIFS



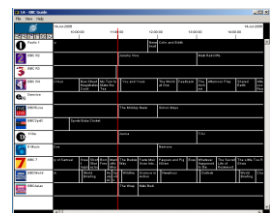
Audio, DLS, Slideshow



TPEG



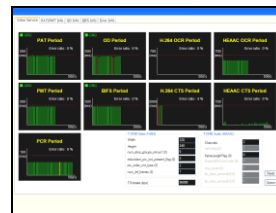
BWS



EPG Viewer



Optional Multi-service player



Service monitoring options

Specifications may be subject to change without notice



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