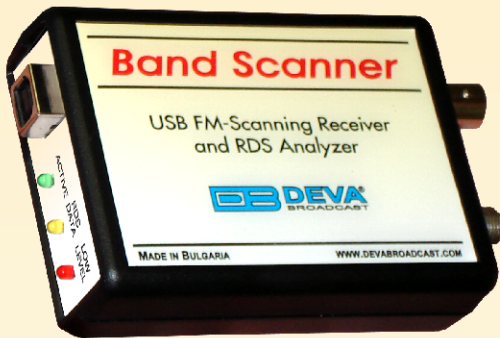


### FM BAND SPECTRUM ANALYZER AND RDS/RBDS DECODER-READER



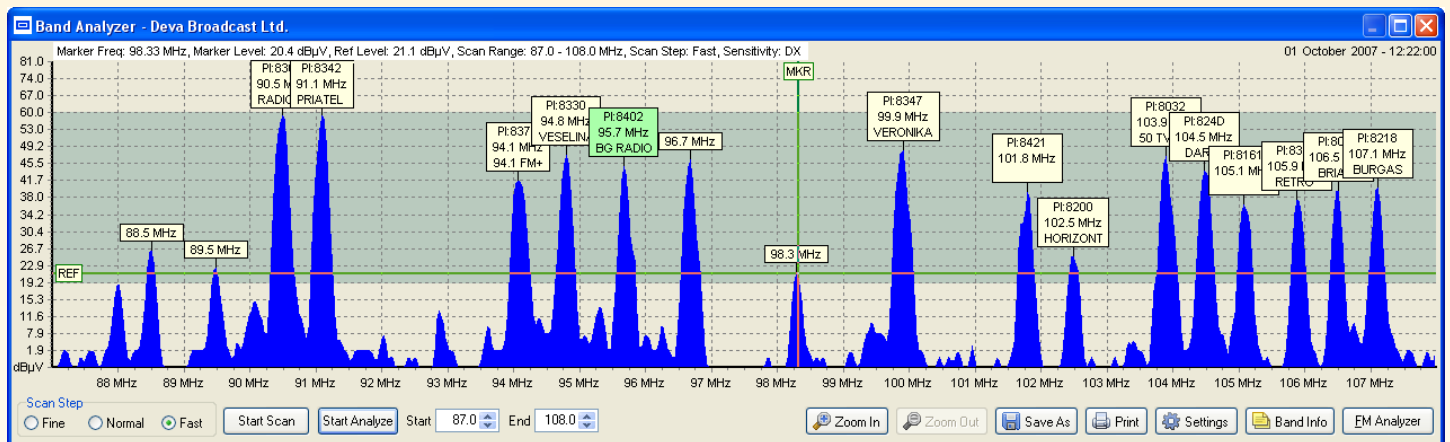
The "Band Scanner" is a simple, low-cost scanning receiver for FM market analysis. This is a market-monitoring tool intended for station engineers, managers and program directors. The "Band Scanner" creates detailed play list reports for any station that broadcasts artist and song title information with Radio Text.

Managers and program directors can compare their own RDS text rotations to other stations in the market. In addition, engineers are able to monitor real-time field intensity data for any station, as well as review strip charts for analysis of the entire band. Precision MPX peak deviation meter is included.

"Band Scanner" plugs into the USB port of any PC and with the supplied

Windows® software, it sweeps the FM band and logs every signal it comes across. An easy-to-read spectrum display shows carrier level vs. frequency, and stations with an RDS or RBDS presence can be analyzed to show data in all Radio Data groups. Powered by a laptop USB connection, the "Band Scanner" becomes an easy-to-use field tool. The Band Scanner also allows broadcast engineers to decode and analyze all the RDS features with maximum ease and minimum expense.

Originally, the Radio Data System developed for use in the U.S. was called the Radio Broadcast Data System, or "RBDS," to differentiate it from the European RDS standard. Differences between the two systems were gradually reconciled, and the term "RDS" can be legitimately applied to the system as practiced worldwide.



### FEATURES:

- FM Band Spectrum analyzer
- Built-in Stereo decoder
- Auto search tuning
- Headphones audio output
- RDS/RBDS Groups Detector
- RDS/RBDS Groups Analyzer
- RDS/RBDS stream BER meter
- RDS/RBDS Data Logger
- Pocket size USB powered box
- MPX deviation meter
- Full feature RDS and RBDS decoder
- External composite MPX and RDS input
- View playlists of the competitive stations
- Saving and exporting the playlists to CSV file
- Compare the signal strength to competitors
- Tracking all the histories saved in the RDS Data Log
- TCP/IP Remote management and control via Internet
- Remote audio listening and logging via Internet

### SPECIFICATIONS:

#### FM receiver

FM frequency 87.0 - 108.0 MHz  
 Strong fields AGC  
 RF level evaluation +/- 4dB from 20°C to 30°C  
 Dynamic 0 to 84dBμV  
 Attenuator 6dB built-in  
 Stereo separation >20dB  
 Typical separation Approximately 26dB to 35dB  
 Measurement validity RF level preferably > 50dB  
 Accuracy of MPX deviation display +/- 5KHz, +/- 2KHz typ.

#### FM Antenna input

Connector 'F' on rear panel  
 Impedance 75Ω

#### FM Multiplex input

Connector BNC, Impedance = 50 kΩ  
 Max input level 5000mV p-p

#### User interface

Indicators 3 LEDs  
 Headphone output 1/8" (3.5mm) phone jack

#### Operating Conditions

Temperature 10° and 40°C  
 EMC immunity 6V/m

#### Communication

Type USB 2.0 compatible

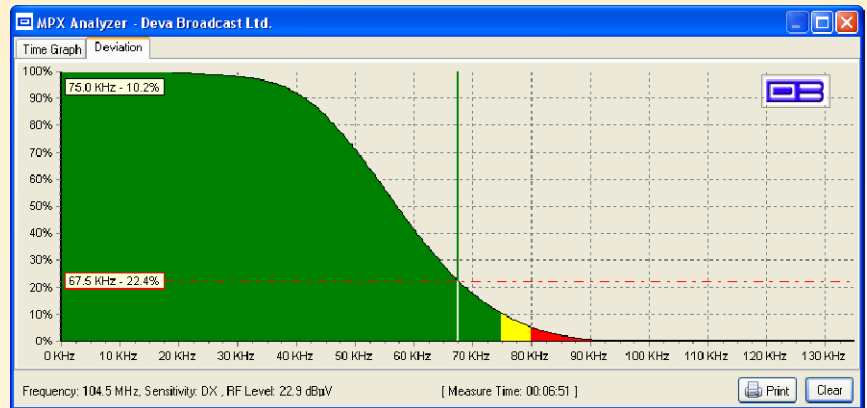
#### Power Requirement

Power supply USB powered  
 Connector B-type, front panel

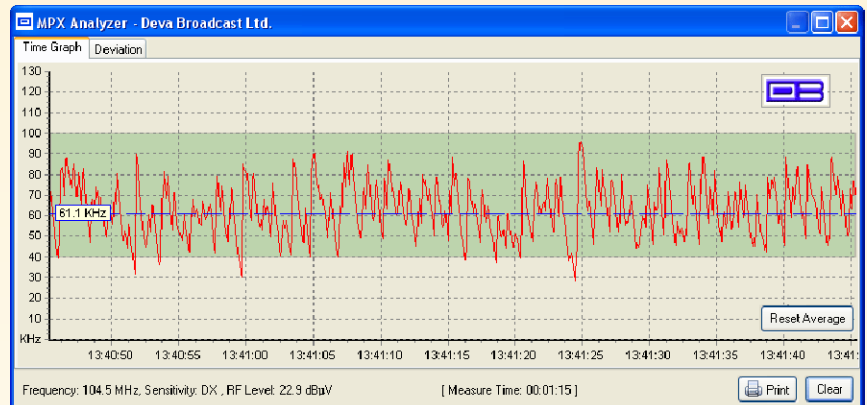
#### Size and Weight

Dimensions (WxHxD) 2.5" x 1" x 3.5"  
 Weight 2 lbs

#### MPX Deviation Overshoot



#### MPX Time Graph



Log View - Deva Broadcast Ltd.

EXTENDED Log

Date/Time	PI/CALL	RTA
01.10.2007 r. 12:01:44	824D	DARIK - NEWS MUSIC SPORT WwW. DARIK.NET
01.10.2007 r. 12:04:47	824D	STEREOPHONICS - IT MEANS NOTHING
01.10.2007 r. 12:07:45	824D	SUGABABES - ABOUT YOU NOW
01.10.2007 r. 12:10:40	824D	30 SECONDS TO MARS - THE KILL
01.10.2007 r. 12:13:50	824D	FOO FIGHTERS - THE PRETENDER
01.10.2007 r. 12:16:53	824D	ARMAND VAN HELDEN - I WANT YOUR SOUL
01.10.2007 r. 12:19:46	824D	50 CENT FEAT. JUSTIN TIMBERLAKE & TIMBALAND
01.10.2007 r. 12:22:44	824D	THE PIGEON DETECTIVES - TAKE HER BACK
01.10.2007 r. 12:25:43	824D	THE HOOSIERS - GOODBYE MR A
01.10.2007 r. 12:28:39	824D	THE WHITE STRIPES - YOU DON'T KNOW WHAT LD

Show/Hide

☒ Date/Time

☒ MODE

☒ RDS

☒ FREQ

☒ PI/CALL

☒ TP

☒ TA

☒ MS

☒ PTY

☒ PS

☒ DI

☒ RTA

☒ Total AF

☒ AF

☒ CT

DATA CHANGE Log

☐ Hide System Information

Date/Time	What	Changed to
01.10.2007 r. 12:29:39	PS	DARIK
01.10.2007 r. 12:28:33	PS	104.5 FM
01.10.2007 r. 12:25:28	PS	BURGAS
01.10.2007 r. 12:20:18	PS	DARIK
01.10.2007 r. 12:19:07	PTY	News
01.10.2007 r. 12:19:07	PI	824D
01.10.2007 r. 12:19:07	TP	OFF
01.10.2007 r. 12:17:16	PS	104.5 FM
01.10.2007 r. 12:10:05	Freq Change	104.5
01.10.2007 r. 12:01:15	PI	824D
01.10.2007 r. 12:01:15	TP	OFF
01.10.2007 r. 12:01:37	PS	DARIK
01.10.2007 r. 12:01:33	PS	104.5 FM
01.10.2007 r. 12:01:28	PS	BURGAS
01.10.2007 r. 12:01:18	PS	DARIK
01.10.2007 r. 12:01:18	RTA	DARIK - NEWS MUSIC SPORT WwW. DARIK.NET
01.10.2007 r. 12:01:17	CT	31 Sep 2007, Mon, week 40, 12:26 + 0.0
01.10.2007 r. 12:01:16	AF	5A 91.0 100.6 105.0 105.4 107.3
01.10.2007 r. 12:01:16	PS	104.5 FM
01.10.2007 r. 12:01:15	PTY	News
01.10.2007 r. 12:01:15	PI	824D
01.10.2007 r. 12:01:15	TP	OFF
01.10.2007 r. 12:01:15	TA	ON
01.10.2007 r. 12:01:15	MS	MUSIC


RAW Log


GRP	FREQ	BL 0	BL 1	BL 2	BL 3
2A	104.5 824D	202B	2020	2020	2020
2A	104.5 824D	202C	2020	2020	2020
2A	104.5 824D	202D	2020	2020	2020
2A	104.5 824D	202A	5420	2020	2020
0A	104.5 824D	0038	8523	2042	
2A	104.5 824D	2026	5254	2057	
2A	104.5 824D	2023	5753	204D	
2A	104.5 824D	2026	5254	2057	
2A	104.5 824D	2027	5757	2820	
0A	104.5 824D	003A	B30C	4741	
2A	104.5 824D	2024	5553	4943	
2A	104.5 824D	2029	4B2E	4845	
2A	104.5 824D	2025	2053	504F	
2A	104.5 824D	2028	4441	5249	
0A	104.5 824D	003F	CD0C	5320	
0A	104.5 824D	0039	83AF	5552	
2A	104.5 824D	202B	2020	2020	
2A	104.5 824D	2021	494B	2020	
0A	104.5 824D	003F	CD0C	2020	
0A	104.5 824D	0038	8523	2042	
2A	104.5 824D	2020	2044	4152	
0A	104.5 824D	003A	B30C	4741	
2A	104.5 824D	2022	2020	4845	
0A	104.5 824D	0039	83AF	5552	
2A	104.5 824D	202A	5420	2020	
0A	104.5 824D	003F	CD0C	2020	
0A	104.5 824D	0038	8523	2042	
2A	104.5 824D	2026	5254	2057	
2A	104.5 824D	2027	5757	2820	
0A	104.5 824D	0039	83AF	4152	
0A	104.5 824D	003A	B30C	494B	
2A	104.5 824D	2029	4B2E	4845	
2A	104.5 824D	2025	2053	504F	
2A	104.5 824D	2028	4441	5249	
2A	104.5 824D	202B	2020	2020	


Export


Close

Band Info - Deva Broadcast Ltd.								
No	ID	Freq	Mode	Level	PI	PS	AF List	
1	90	90.5 MHz	Stereo	57.0 dBμV	8362	NISSAN	1A, 103.9	
2	109	91.1 MHz	Stereo	57.0 dBμV	8342	BURGAS	5A, 91.1, 105.4, 96.4, 89.3, 1...	
3	198	94.1 MHz	Stereo	59.6 dBμV	8371	800 42N	7B, 94.1, 94.1, 94.6, 94.1, 94...	
4	218	94.8 MHz	Stereo	49.0 dBμV	8330	VESELINA	7A, 94.8, 91.2, 97.7, 91.4, 95...	
5	253	96.0 MHz	Mono	36.6 dBμV			Not Transmitted or Unknown	
6	273	96.7 MHz	Stereo	37.5 dBμV			Not Transmitted or Unknown	
7	366	99.9 MHz	Stereo	43.8 dBμV	8347	VERO	Not Transmitted or Unknown	
8	421	101.8 MHz	Stereo	40.0 dBμV	8421	NJOY	Not Transmitted or Unknown	
9	480	103.9 MHz	Stereo	47.1 dBμV	8032	0 TV-CHA	1A, 103.9	
10	497	104.5 MHz	Stereo	59.2 dBμV	824D	DARIK	5A, 91.0, 100.6, 105.0, 105.4...	
11	516	105.1 MHz	Stereo	39.9 dBμV	8161	Z-RO	Not Transmitted or Unknown	
12	557	106.5 MHz	Stereo	37.7 dBμV	8041	YUZEN	Not Transmitted or Unknown	
13	574	107.1 MHz	Stereo	40.0 dBμV	8218	BURGAS	3A, 105.7, 89.7, 105.6	

 Add Marker

 Remove Selected

 Print

 Hide