

RDAB**DAB+ RECEIVER MODULE**

RDAB is a professional DAB+ receiver module controllable by RS232 serial port or the USB port of a personal computer . Always by USB or serial port on acquire the received signal parameters . **RDAB** is provided of an auxiliary VGA display connector and auxiliary USB port for "stand-alone" operating mode. **RDAB** is also provided of internal audio power amplifier .

The receiver has been realized to employ in local or remote computerized systems of radiomonitoring. The reduced sizes (PC standard format) make possible its collocation directly in the personal computer case.

V.B.E. S.r.l.

Via Giovanni XXIII n. 34 interno, 50032 Borgo San Lorenzo, Italy

www.vbetelecomunicazioni.it E-mail : info@vbetelecomunicazioni.it

file vers. 01_05_20

RDAB - pag. **1**

RDAB OPTION AVAILABLES

- **OPT01** Band I (47-68 Mhz) preselector
- **OPT02** Power supply extd. 4,9 to 15 V Dc
- **OPT03** Audio stereo amplifier 5 Wrms

RDAB SPECIFICATIONS

Frequency Measurement Range	170 to 250	MHz (BAND VHF III)
Frequency Canalization	DAB Europe	
RF Level Measurement Range	-30 to -85	dBm
RF Level Measurement Accuracy	+ / - 3	dB
DAB+ Decoder Range (Typ.)	-30 to -65	dBm
Decoding & Measurement Setting Time (Typ.)	15	S
MER Single Measurement Accuracy @ -55 dBm RF in	+/- 15	%
MER AVG (100 Hit) Measurement Accuracy @ -55 dBm RF in	+/- 5	%
MER Measurement Range	40 to 100	%
Adiacent Channel Measurement Accuracy	+/- 0,5	dB
Internal Audio Stereo Power Amplifier	1+ 1	W (8 ohm)
Audio Stereo Output Level (Typ.)	1	Vptp (10 Kohm)
Auxiliary Display Output Signal	VGA 800x600	
Auxiliary Display Connector	DB 15 F VGA	
Auxiliary Keyboard Connector	USB	
RF Input Connector	BNC	
Audio Stereo Output Connector	RCA	
Speaker Connector	Mate-n-lock	
RS232 Connector	DB 9 F	
Power Connector	PC -Mate-n-lock	
Power (Typ.)	5 VDC; 1A	
Size Lx Hx P	14,5 x 4,1 x 21	cm
Operating temperature	- 10 to + 40	°C

RDAB

DAB+ RECEIVER MODULE



V.B.E. receiver **RDAB** finds collocation directly in the personal computer case

V.B.E. S.r.l.

Via Giovanni XXIII n. 34 interno, 50032 Borgo San Lorenzo, Italy

www.vbetelecomunicazioni.it E-mail : info@vbetelecomunicazioni.it

file vers. 01_05_20

RDAB - pag. **3**

SOFTWARE FOR

RDAB

DAB+ RECEIVER MODULE

V.B.E. ricevitore RDAB

Set Channel: **12C**

Freq.MHz: **227,360**

Insieme: *** DAB Italia ***

Identificativo: **5009**

Num. emittenti: **19**

Total Kb rate: **816**

Num. serv. Ch: **2**

Total Kb rate:

Nome emittente	Id.N	Ger.N	Loc.	Kb rate	Des	Sist.	Prot.	Fec	Lingua
"RMALBIA"	52CC	15	612	36	48	DAB+	EEP 3-A	1/2	Albanian
"* RDS * Relax"	5281	16	648	36	48	DAB+	EEP 3-A	1/2	Italian
"Capital"	5285	17	684	24	32	DAB+	EEP 3-A	1/2	Italian
"M DUE O"	5233	6	204	36	48	DAB+	EEP 3-A	1/2	Italian
"Radio 24"	5245	7	240	36	48	DAB+	EEP 3-A	1/2	Italian
"Capital Funky"	5285	17	684	24	32	DAB+	EEP 3-A	1/2	Italian
"* RDS *"	5281	16	648	36	48	DAB+	EEP 3-A	1/2	Italian
"105 DAB"	5286	11	312	36	48	DAB+	EEP 3-A	1/2	Italian
"M DUE O DANCE"	5287	18	708	24	32	DAB+	EEP 3-A	1/2	Italian
"Kc1Test"	5280	12	348	96	96	DAB+	EEP 2-A	3/8	French
"Kc2Test"	5288	13	444	96	96	DAB+	EEP 2-A	3/8	English
"Radio 24 +1"	5282	19	732	36	48	DAB+	EEP 3-A	1/2	Italian
"Radio Maria"	51CC	1	0	36	48	DAB+	EEP 3-A	1/2	Italian
"Radio Radicale"	5210	2	36	36	48	DAB+	EEP 3-A	1/2	Italian
"Dacia"	5214	3	72	48	64	DAB+	EEP 3-A	1/2	Italian

Misure

Signal dBm: **-45.77**

Mer %: **80,5**

Pwr CH:

Adiacente: **-6 / -29**

Istogramma MER

Min.: **66**

Max.: **90**

N.misure: **97**

Err.:

Mer% AVG: **80,5**

System log

Invia

Typical screenshot of control program for V.B.E. DAB+ receiver **RDAB**