

# Gyro-1123D

## DAB/DAB-IP/T-DMB USB Dongle

All Green

環保無鉛

Lead-Free

The powerful USB dongle could provide easily DAB/DAB-IP/T-DMB reception from your Notebook and PC joyfully.

GyroSignal module families launched a new member with high sensitive reception on DAB/DAB-IP/T-DMB with USB connection, the module complies ETSI EN 300 401 DAB standards and cover dual bands (Band III and L) reception, with the dongle the mobile users could travel crossing regions and enjoy the digital broadcasting technology.

Except the traditional Audio and DMB services, the Gyro-1123D USB dongle also support the API/SDK for engineers to provide more data applications such as EPG (Electronic Program Guide) as well as MOT, IP Tunnel, streaming services. Please contact us for detail information.



### Features:

- > DAB/DAB-IP/T-DMB cover Band III, L
- > Canada L band and Korean band.
- > 1.8M bits full rates
- > Powered by USB
- > Lead-Free Design
- > Dimension : 78 x 21 x 4.5 mm<sup>2</sup>
- > Provide API for software development in data applications (Windows XP/2000)

### Media Player Features :

- > Supports Video/Audio receptions
- > EPG for DAB/T-DMB
- > Time-Shift and Direct Record
- > Schedule Reception and Record
- > Channel Surf
- > Snap Shot



Parameter	Condition	Min	Typical	Max	Unit
DAB modes	Supports modes: I, II, III, IV				
RF frequency range	VHF	174		240	MHz
	L-Band (standard and Canada)	1452		1492	MHz
Sensitivity	VHF Measurement to EN50248. Refer to Note 1 and Note 2. Exclude: 5D are -92(Min)/-94 (Typ) dbm		-97		dBm
	L-Band Measurement to EN50248. Refer to Note 1 and Note 2.		-94		dBm
Maximum Input Signal for Pseudo channel BER with real value 1%	Band III after error correction	-10	-5		dBm
	L-band after error correction	-20	-10		dBm
Adjacent Channel Selectivity	Band III Measurement to EN50248		28		dB
	L-Band Measurement to EN50248		28		dB
Far-off selectivity	Measurement to EN50248. Refer to Note 2 and 3.	40	43		dB
Acquisition sensitivity	Exclude: 13F min/typical are -99/-101dbm 5D min/typical are -90/-95 dbm	-100	-102		dBm
Input Impedance	SMA or MCX connector (to VHF/L-Band diplexer)		50		Ohm
Power Consumption (with 3.3Vdc)	DAB L-band master mode (RF+BB)		300		mA
	DAB Band III master mode (RF+BB)	290	300	310	mA
Operating Temperature Range		-10	60	65	°C
Storage Temperature Range		-20		85	°C
Operating Humidity	Relative Humidity		80		%
Storage Humidity	Relative Humidity		80		%

Note 1: The DAB/T-DMB BER is approximated by Pseudo channel BER lower than 0.0001 after Viterbi decoder.

Note 2: far-off selectivity using FM signal with deviation 75K. The frequency offset is 5MHz.

