

Features

The Daviscomms Telemetry Messaging Receiver is a one-way paging device with output ports which is used as a low cost device to receive data or control equipment. This module is suitable for wireless control systems and wireless automation devices and has been used around the world for applications like -

Municipalities

- Irrigation
- Lighting
- Traffic Signaling and Signs
- Traffic Warning Systems

Industrial/Commercial

- HVAC Control
- Utility Control
- Equipment Control
- Building Control
- Vending Machine
- Electronic Billboards
- LED Displays

Automotive

- Vehicle Function Control
- In-Vehicle Messaging
- Car Theft Prevention

Telemetry Messaging POCSAG Receiver



Daviscomms Telemetry Messaging Receiver comes either as a module or in our practical and robust casing.



Onboard antenna

BNC connector

OSX connector

With housing

Without housing

Specifications

Dimensions:	With housing	90 x 80 x 27mm(L x W x H)
	Without housing	50 x 57 x 15mm(L x W x H)
Weight:	With housing	55 grams
	Without housing	20 grams
Operating Frequency:	VHF	135 – 175 MHz
	UHF	452 – 468 MHz
	900MHz	929 – 932 MHz
Paging Protocol:	POCSAG	
	512/1200/2400 bps	
Supply Voltage:	3V~5V or 8V~15V	
Current Drain		
(with 3V supply voltage):	Peak Receive, I/O at high impedance	15 mA
	Receive Off, I/O at high impedance	4 mA
	Maximum Allowable B+ Current	1 A
Operating Temperature:	VHF & UHF	-10 to +50 °C
	900MHz	+5 to +40 °C
Storage Temperature:	-40 to +80 °C	
Page Sensitivity:	VHF/UHF	-107dBm (c.f. 22.5dB)
@ 6400 Baud)	900MHz	-104dBm (c.f. 22.5dB)

EIA Selectivity:
(@ 25kHz)

Image & Spurious Rejection:

Intermodulation Rejection:

Inputs / Outputs:

Serial Port Baud Rates:

8 Customer Configurable Outputs:

RF Input:

Pin Connector Interface:

Programming Interface:

VHF/UHF > 55 dB
900MHz > 40 dB
VHF/UHF > 50 dB
900MHz > 40 dB
VHF/UHF > 50 dB
900MHz > 40 dB

x2 DC Power Supply Inputs +3~5V or +8~15V
x1 TXD Output for Serial Data Operation RS232 or TTL Output
x1 RXD Input for Serial Data Operation RS232 or TTL Output
(not supportable for current version)

2400, 4800, 9600, 19200 (Bps)
2 ports at 1A, 6 ports at 100mA

Current Source (logic 1) and Sink (logic 0)

Internal built-in Antenna OR External with BNC or OSX female connector
20-pin Male Connector for voltage supply, RS232, TTL, 8 I/O's and programming
4-pin pads used with Parallel Programming (Kit available from Daviscomms)
OR 20-pin Male Connector



TB2-900B
Optional External
Antenna (BNC)
for 900MHz Model