

TB8100 Base Station - POCSAG Paging

Introduction

The most flexible base station on the market, the TB8100 now delivers POCSAG paging with the addition of the Paging Applications Board TBA101B.

POCSAG Paging

The Paging Applications Board provides a paging interface and makes it possible for the TB8100 to be used in POCSAG paging applications.

Modem and delay line operation is not provided, but the Paging Application Board is designed to interface to paging controllers with these functions.

Features

The TB8100 is engineered to sustain the high duty cycles and constant on/off keying required by paging applications.

The Paging Applications Board delivers data and speech transmission, so you do not have to use separate channels.

The TB8100 is available with power amplifier solutions up to 100W. 5W driver modules can be used with OEM power amplifiers.

The TB8100 paging solution is Simulcast compatible.

An external frequency reference can be added as an option if required.

System Types

POCSAG-only system

The TB8100 base station can be fitted to a third party POCSAG paging encoder for a POCSAG-only system.

Linked Repeater System

As well as POCSAG-specific signals, the TB8100 provides all the other control signals that are available on the TaitNet or TaitNet RS232 system interfaces. This makes it possible for the TB8100 to receive a remotely generated modem signal, for example 1200 baud FSK, and pass this signal on to an external modem that then drives a POCSAG encoder.

Compliance

The TB8100 can only be used for paging on frequency bands and at power levels that have the appropriate paging compliance. Please consult your Tait Customer Service Organisation if you are unsure whether the TB8100 has paging compliance for your application.



TB8100 Reciter with TBA101B Paging Applications Board.