

TB8100 base station

Disabling and Enabling Power Saving in the Reciter



Technical Note TN-850
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Applicability

This Technical Note applies to TB8100 reciters with the serial number 18004000 or higher.

Introduction

Reciters manufactured from March 2004 onwards (serial number 18004000 or higher) are built with the hardware and firmware to support Power Saving¹. However, if you want to use a Power Saving-capable reciter in an older base station system which does not support Power Saving, you must first physically disable Power Saving in the reciter. This Technical Note describes the procedures needed to disable (and re-enable if required) Power Saving in the reciter.

Tools Required

- Torx T10 screwdriver

Method

The circled numbers in the following instructions refer to [Figure 1](#).

To Disable Power Saving

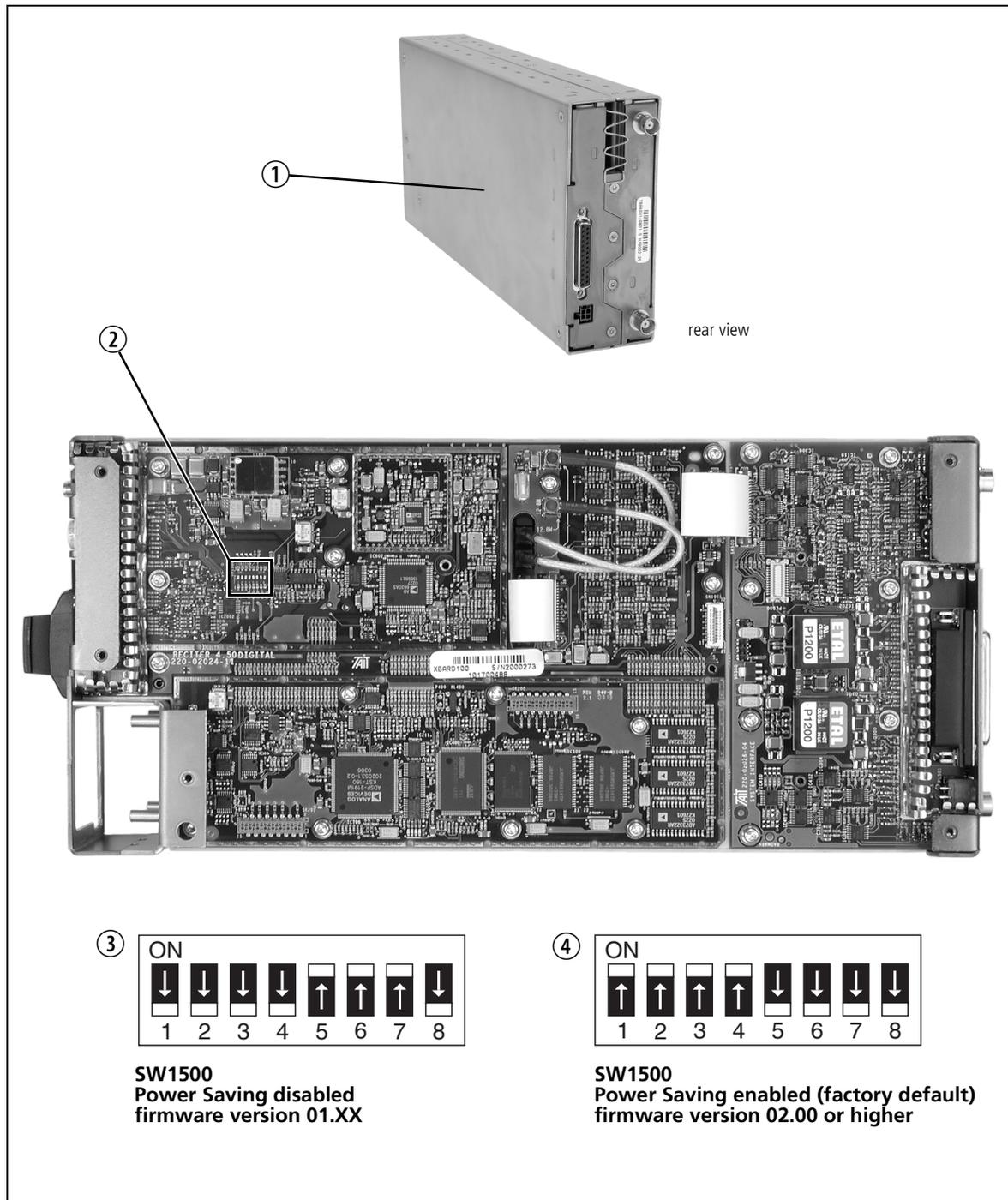
1. Remove the M3 Torx screws securing the digital side cover ①. Lift off the cover.
2. To disable Power Saving, set the switches of SW1500 ② on the digital PCB as shown ③.
3. Refit the digital side cover.

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1. Note that you need to purchase a Power Saving Modes licence before you can activate Power Saving. Consult your nearest Tait Dealer or Customer Service Organisation for more information.

To Enable Power Saving

1. Remove the M3 Torx screws securing the digital side cover ①. Lift off the cover.
2. To enable Power Saving, set the switches of SW1500 ② on the digital PCB as shown ④.
3. Refit the digital side cover.

Figure 1 Setting SW1500 to Disable and Enable Power Saving



Power Saving Requirements

You can enable Power Saving in a reciter **only** under the following conditions:

- the reciter hardware is capable of Power Saving – check that the serial number is 18004000 or higher
- the reciter firmware is capable of Power Saving – use the Service Kit software to check that the firmware version is 02.00 or higher (Monitor > Module Details > Reciter > Versions)
- SW1500 on the digital PCB is set to enable Power Saving, as shown ④ in [Figure 1 on page 3](#)
- you have purchased a Power Saving Modes licence and have enabled Power Saving Modes using the Software Feature Enabler in the Service Kit (refer to the Service Kit documentation for more details).



Important **Do not** enable Power Saving in a reciter which has the serial number 18004000 or higher and is loaded with a firmware version earlier than 02.00. This will result in unreliable behaviour. For this configuration you must physically disable Power Saving by setting SW1500 as shown ③ in [Figure 1 on page 3](#).

A full explanation of the compatibility of different versions of module hardware, module firmware and Service Kit software is given in the Release Notes (TN-832-SR, April 2004 or later). For a functional description of Power Saving Modes, refer to the TB8100 Installation and Operation Manual (MB8100-00-00-315, Issue 2 March 2004 or later). Both these documents are provided on the Product CD, and are also available from the Tait support website.

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Tait Contact Information

Corporate Head Office New Zealand Tait Electronics Ltd, P.O. Box 1645, Christchurch, New Zealand
E-mail (Marketing): taitnet@taitworld.com
E-mail (Sales): sales@taitworld.com

Technical Support Technical Support Manager
Tait Electronics Ltd, P.O. Box 1645, Christchurch, New Zealand
E-mail: support@taitworld.com

Internet <http://www.taitworld.com>

