

**Applicability**

TB8100 Base Stations with reciter digital control board  
IPN 220-02024-16 or above.



**What is the RS232 TaitNet SIF?**

Until the introduction of the TaitNet RS232 SIF, the serial connection for diagnostics and alarm dial out had to be via the front panel User Interface. With hardware dual channel rack frames, local (on site) monitoring of both channels could be carried out by selecting the desired channel via the User Interface. Remote monitoring and alarm dial out could only take place with the last channel accessed, or with the default channel if there had been a power interruption.

The TaitNet RS232 SIF was introduced so that serial communications could be established via the rear panel SIF of each Reciter, independently of the front panel settings. The TaitNet SIF was chosen for this enhancement as its main connector has only 15 pins, thus allowing the inclusion of an extra 9 way connector for the serial communications, without serious mechanical design issues.

If the TaitNet RS232 SIF is installed, its presence is detected on start up, and the RS232 connection will be switched permanently to the rear panel. This is true for monitoring, diagnostics, AND calibration.

## When should the TaitNet RS232 SIF be used?

- Whenever the user has installed rack frames containing hardware dual channels, and requires remote diagnostics connectivity to these channels, the TaitNet RS 232 SIF should be used.
- This SIF should also be used if the user prefers the RS232 connection to be via the rear panel for reasons of tidiness.
- The reciter has digital control board IPN 220-02024-16 or above.

## When should the TaitNet RS232 SIF NOT be used?

- When the full 25 pin SIF I/O capability is required. At this stage there is no SIF available that combines 25 pin I/O with a rear panel RS232 connection.
- If the user ever wishes to connect via the front panel.
- The reciter has digital control board IPN 220-02024-15 or below.

## TaitNet RS232 SIF Power Cables

The TaitNet RS232 SIF uses a 2 pin power plug where other SIF's use 4 pin plugs.

There are 2 types of power cables available:

- TBA2243 for a single channel base stations.
- TBA2244 for a Dual channel base stations.

If you are ordering a TaitNet RS232 SIF (TBA10L0) to replace an existing SIF, note that a power cable is not supplied with the TaitNet RS232 SIF. Please ensure you order the appropriate power cable.

# Issuing Authority

**Name and Position of Issuing Officer** Jeff Northcott  
Senior Technical Support Engineer

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**Document History**

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