Technical Notification

September 2005   Document no. *20050926*

Sailor RT5022 VHF DSC

Subject:

Incorrect factory setting of power output in **DSC** and **Distress**-transmission.

Identification:

It has just come to our attention that in a limited number of RT5022 VHF DSC of recent production the RF output power in DSC transmission has erroneously been set to 1W rather than 25W, caused by an incorrect setup in the production final test equipment.

The serial number identification of units to which this erroneous power setting may apply is found within the range of s/n 05737163 through s/n 05749592.

The incorrect power setting may be operationally verified by the <1W> indicator lamp in the display lighting, when transmitting a DSC-call.

Action:

It is **imperative** that this DSC power setting be reset to 25W in all units identified within the above mentioned serial number range as this power setting applies to the Distress transmission also.

To accomplish the required reset of the DSC-transmission output power, a program has been created that will automatically reset to correct power level. The procedure requires the use of an SB5006 service tool. Follow the procedure described below to accomplish the successful reset of the DSC power level to 25W.

NOTE: This procedure is applicable only to VHF radios with **Main Release 1.30** software, but otherwise harmless to other versions.
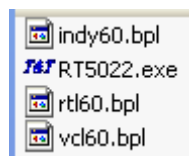
Applying the fix to the VHF radio:

The patch is enclosed in a zip file (**TT_RT5022_patch_w39.zip**) and available for download at http://www.extranet.thrane.com/. Prior to proceeding with the described DSC power reset, unpack the zip file contents (a directory named **TT_RT5022_patch_w39**) and save this on your service pc desktop.
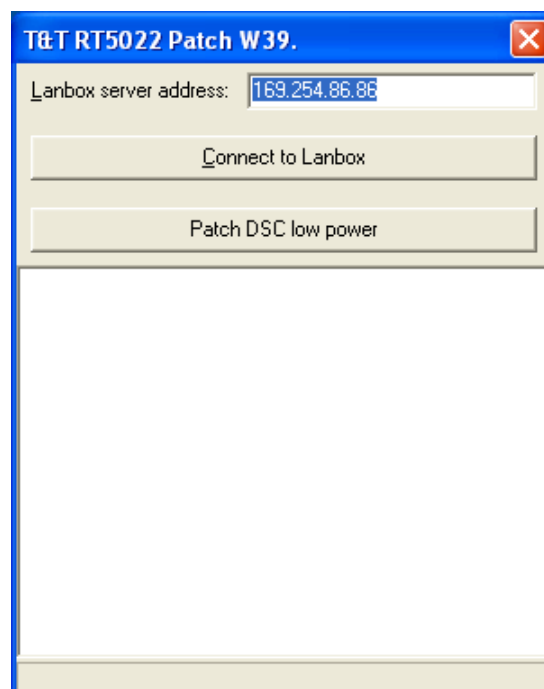
Pls. refer to the SB5006 Operation Manual also available for download at the Extranet for details on the use of the Service Box SB5006/Service Tool.
Proceed as follows:

1) Connect the SB5006 Service Box to the RT5022 and the service PC (refer to the
   SB5006 Operation Manual).

2) Switch on the RT5022 VHF.

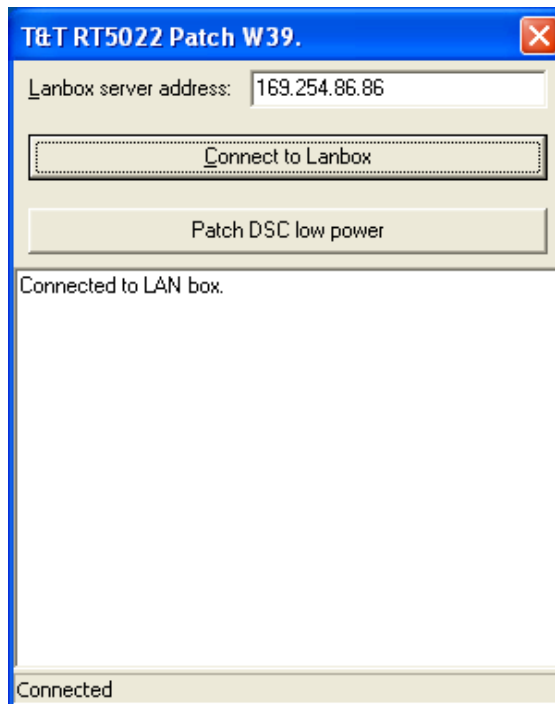3) Double-click on the **TT_RT5022_patch_w39** icon on your desktop to open the directory contents:

indy60.bpl
RT5022.exe
rtl60.bpl
vcl60.bpl

Double-click on the **RT5022.exe** icon and the following window appears:

T&T RT5022 Patch W39.

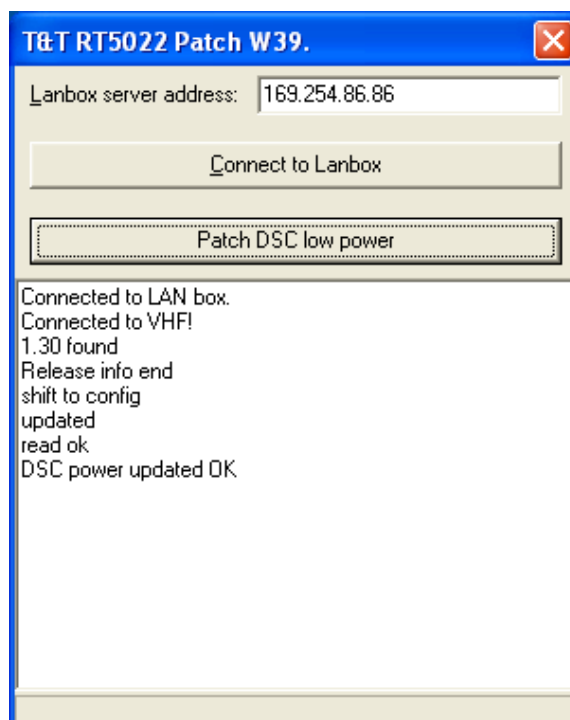Lanbox server address: 169.254.86.86

Connect to Lanbox

Patch DSC low power

4) Leave default settings as indicated – unless you have changed IP address on your SB5006 Service Tool.

5) Press **Connect to Lanbox.** The window should display the following message:
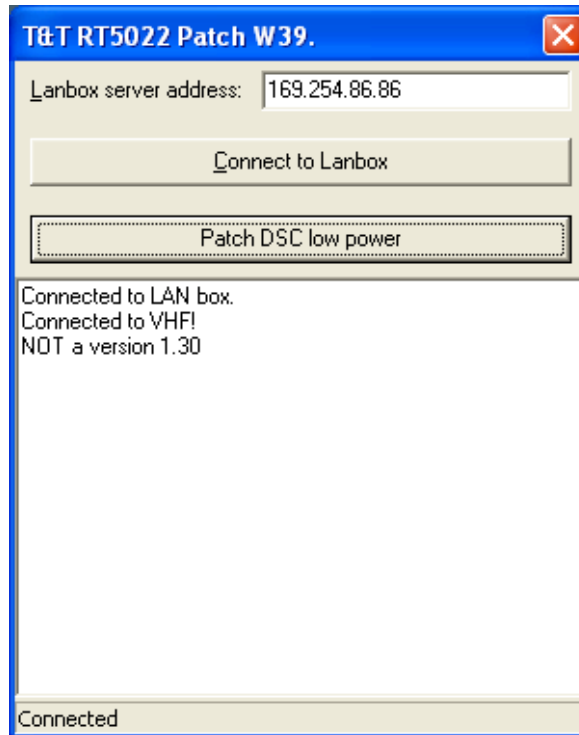

If the message does not appear as described please check your setup; RT5022, SB5006, etc. and close the program. Then retry the procedure.

6) Now press **Patch DSC low power**. The patch is now executed. The detail progress is reported in the window. A successful fix will show the following transcript:

If the program fix is applied to radios with software different from Main Release 1.30 the following transcript might be seen, showing the fix is not needed on this version.

7) After successful update close the window.

Important: After having executed the patch, the successful reset of the power setting to 25W should be verified by performing a DSC call, and noting that the <1W> indicator in the VHF display does not light during the DSC transmission.

We kindly request, that the serial numbers of the RT5022 VHF DSC to which this patch is applied be reported by an email addressed to techsupport@thrane.com.