# GTS-815A Setup for use with RC-2

The following instructions assume you have your instrument configured correctly. If you are unsure about this, please follow the instructions on page 2 before proceeding with the following.

1. Setup Instrument
2. Level Instrument
3. Let it compensate (Self Check Steps 1 through 6)
4. From the Main Screen, press **F1** which will open the Programs Screen.
5. From the Programs screen, press **F6** for screen 2 of 2
6. From screen 2 of 2 press **F3** to open the External Link page.
7. Press **F1** to put the instrument in the **External Link (RC)** mode.
8. Power on your RC-2 unit.
9. Connect FieldGenius to the RC-2 unit.

**NOTE: You need to make sure you set FieldGenius to communicate at 4800 baud as this is the baud rate that the RCll defaults to.**

# RC-2 Setup

In the battery compartment on the RC-2 unit, you will find four dip switches. We suggest you keep these set to the OFF position for use with radios or RC-2 communication.

# How to Confirm Instrument Settings

When you power on the instrument and go through the setup and calibration you will get to the Main Screen. To check the settings and put the instrument in the **External Link** mode do the following.

1. From the Main Screen, Press **F1**.

**Figure 1 (Main Page)**

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2. From the Programs Menu, press **F6** (More) to show more options.

**Figure 2 (Programs Screen 1 of 2)**

**Figure 3 (Programs Screen 2 of 2)**

3. From screen 2 of Programs, press **F3** to open the **External Link** screen.

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4. From the External Link screen, press **F2** to confirm the settings.

**Figure 4 (External Link Screen)**

**Figure 5 (External Link Settings Screen)**

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## Cable/Radio/Modem/RC Settings

Press **F1** on the External Link Settings Screen.

Cable/Radio Modem/RC = **Cable**

## Parameter(Cable) Settings

Press **F2** on the External Link Settings Screen.

Speed = **9600**

Bit Format = **D8 S1 NONE**

Terminate = **ETX**

RTS = **Hi**

Rec Type = **REC-B**

## Parameter(RC) Settings

Press **F3** on the External Link Settings Screen.

Channel = **1**

Terminate = **ETX**

Retry = **Standard**

Rec Type = **REC-B**

## Parameter (Radio Modem) Settings

**Don't worry about the set frequency and set channel options – since you are using the RC-2 unit for communication you don't need to change anything here.**

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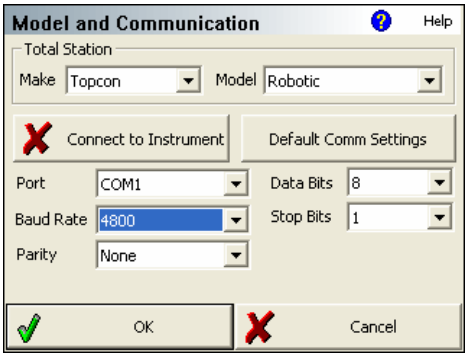
# FieldGenius Settings

The following screen shots are from FieldGenius 2006 2.0.4.

To configure FieldGenius go to the **Main Menu** | **Settings** | **Instrument Settings** | **Total Station**.

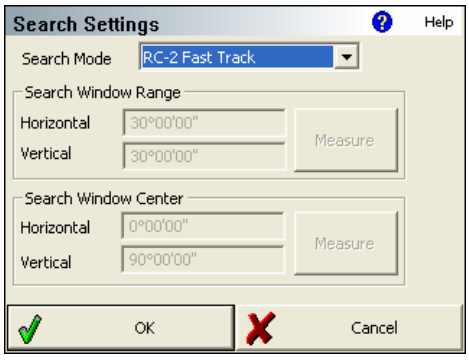
## Model and Communication



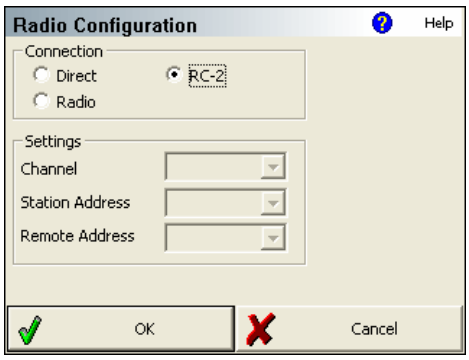

***** Important ******

**The baud rate has to be set to 4800 as this is the default and only baud rate that the RC-2 can use.**

## Search Settings




## Radio Configuration

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