

# Using a Nextel Enabled Motorola i58sr with Trimble Data Collectors

## GPS Infrastructure Quick Guide



### Confidential Information

*For Trimble Employees and Authorized Representative Use Only*

The information contained herein is intended solely for the use of Trimble employees and Authorized Trimble Representatives. It is not to be utilized for any other purpose.



GPS Infrastructure Group  
7403 Church Ranch Blvd.  
Suite 100  
Westminster, CO 80021 USA

i58srQG

The information contained herein is intended solely for the use of Trimble employees and Authorized Trimble Representatives it is not to be utilized for any other purpose.

CMT 10/22/2003

Page 1

## Contents

<b>Introduction .....</b>	<b>3</b>
<b>Create a Survey Style that is compatible with the phone.....</b>	<b>4</b>
<b>Create a PPP(Point to Point Protocol) connection for the phone.....</b>	<b>5</b>
<b>Standard Operating Procedure.....</b>	<b>6</b>



GPS Infrastructure Group  
7403 Church Ranch Blvd.  
Suite 100  
Westminster, CO 80021 USA

**i58srQG**  
The information contained herein is intended solely for the use  
of Trimble employees and Authorized Trimble Representatives  
it is not to be utilized for any other purpose.  
CMT 10/22/2003  
Page 2

# Introduction

This document is intended to be a quick guide to the procedure for enabling and using a Motorola i58sr data ready phone with Trimble data collectors. This is only a quick guide. For more information please consult the manuals for the individual components or seek assistance from a Trimble technical representative.

There are certain prerequisites for this equipment configuration to function properly. Please make sure that the following requirements are met before undertaking this overall procedure.

- The data collector **must** have Survey Controller v10.70 or newer
- The rover receiver should be a 5700 or 5800.

## Create a Survey Style that is compatible with the phone

1. From the Survey Controller main menu, select Configuration.
2. Select Survey Styles from the pull down list.
3. Press the New button.
4. Enter a descriptive style name.
5. Leave the Style type as GPS. Press the Enter button.
6. Press the Accept button.
7. Select Rover options from the pull down list.
8. Make sure that the Survey type is set to RTK and that the Broadcast format is set correctly. Set the other fields as desired. Make sure that the antenna type is set correctly.
9. Press the Accept button.
10. Select Rover radio from the pull down list.
11. Select the Type pull down list.
12. Select Internet Connection from the pull down list.
13. Make sure that Route through SC is set to Yes.
14. In the IP Address field, enter the address of your RTK data source.(216.183.47.202)
15. In the IP Port field, enter the port value of your RTK data source.(8500)
16. Press the Enter button.
17. Press the Accept button.
18. Make any other necessary configurations to the Survey Style.
19. Press the Store button.
20. Press the Escape button.
21. Exit the Survey Controller software.



## Create a PPP(Point to Point Protocol) connection for the phone

1. Press the display screen once in the extreme lower left corner. The Start menu will appear.
2. Select Settings.
3. Select Network / Dial-up Connections.
4. Select the Make New Connection icon with a double press.
5. Enter a descriptive name. Keep the connection type as the default – Dial-Up Connection.
6. Press the Next button.
7. Select the pull down button for the Select a Modem option.
8. From the pull down list, select COM1 Hayes Compatiple.
9. Do not enter into the Configure..., TCP/IP Settings..., or Security Settings... areas. The default settings in these areas work well.
10. Press the Next button.
11. The Phone Number window will be displayed. Leave the Country/region code and Area code fields blank. In the Phone number field, enter **s=2**
12. Press the Finish button.
13. On the display, locate the name of the connection that was just created and double tap to select it.
14. Press the Dial Properties button.
15. Press the Dial Patterns button.
16. The Edit Dialing Patterns window will appear. In each of the three fields on this page, enter a single lower case g. Make sure that the fields do not contain any other characters.
17. Press the OK button.
18. Press the OK button again.
19. Close the Dial-Up Connection window.
20. Close the Connection window.



# Standard Operating Procedure

All of the necessary configuration is now complete. The following steps detail the standard procedure for starting software modules in order to initiate a survey.

1. Press the display screen once in the extreme lower left corner. The Start menu will appear.
2. Select Settings.
3. Select Network / Dial-up Connections.
4. Double tap on the icon representing the connection that you programmed for the phone.
5. The Dial-Up Connection window will appear. There is no need to enter a User Name or Password at this stage. Do not enter anything in the Domain field.
6. Press the Connect button.
7. Once the Survey Controller display says Connected, press the Hide button.
8. Close the Connection window.
9. Start the Survey Controller software.
10. From the main menu, click on survey.
11. Select the desired survey style from the pull down list.
12. Select Start Survey.