

DCM-300 Modem with Correction Services and the FmX® Integrated Display

Quick Reference Card

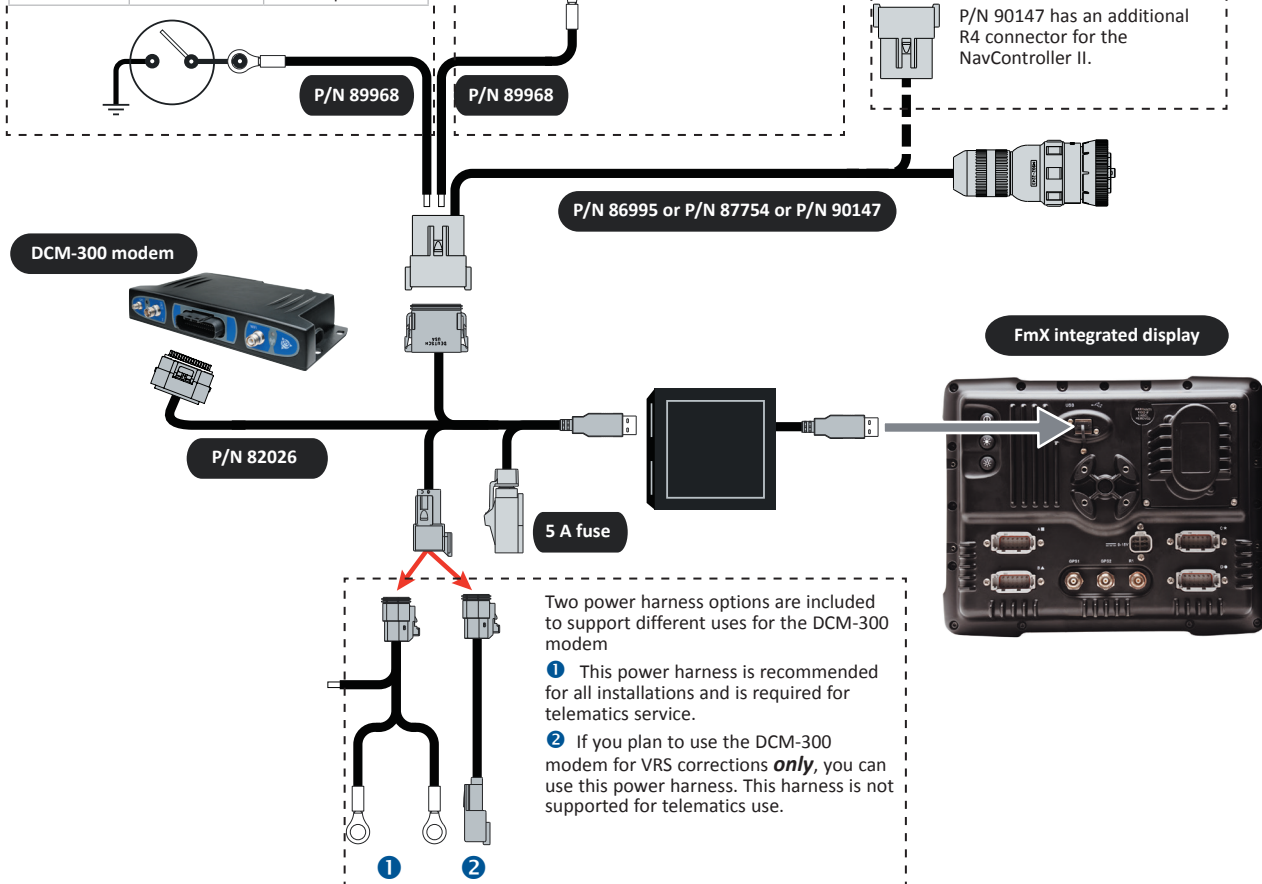
The Trimble® FmX® integrated display must have firmware version 5.00 or higher installed for use with the DCM-300 modem.

Optional - Fleet Productivity Work Input. When the Fleet Productivity function of Fleet Manager is enabled, use P/N 89968 and insert the pin labelled DCM into cavity 7 on the 12-pin connector. Fleet Productivity defines work as follows:

| Working state | System working | System not working |
|---------------|----------------|--------------------|
| High | Switch open | Switch closed |
| Low | Switch closed | Switch open |

Optional - For connection to the R-terminal on the alternator if engine hours are not available on the CAN. Insert the pin labeled DCM into cavity 4 on the 12-pin connector.

P/N 90147 has an additional R4 connector for the NavController II.

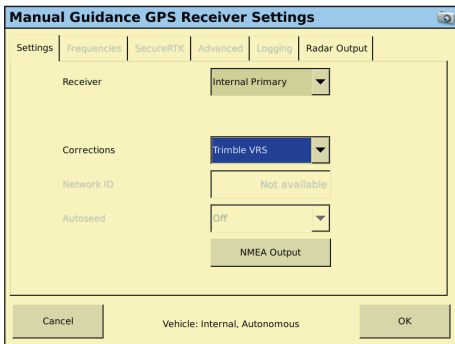


Two power harness options are included to support different uses for the DCM-300 modem

- 1 This power harness is recommended for all installations and is required for telematics service.
- 2 If you plan to use the DCM-300 modem for VRS corrections **only**, you can use this power harness. This harness is not supported for telematics use.

Configuring the DCM-300 modem for VRS

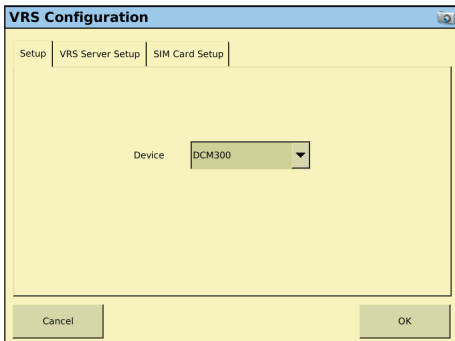
1. Install the VRS™ plugin.
2. To use VRS corrections, in the *GPS Setup* tab, select *Trimble VRS* from the *Corrections* drop-down list:



The screenshot shows the 'Manual Guidance GPS Receiver Settings' window. The 'Corrections' dropdown menu is set to 'Trimble VRS'. Other settings include 'Receiver' set to 'Internal Primary', 'Network ID' as 'Not available', and 'Autoseed' set to 'Off'. There is an 'NMEA Output' button at the bottom right of the settings area. The bottom of the window shows 'Cancel', 'Vehicle: Internal, Autonomous', and 'OK' buttons.

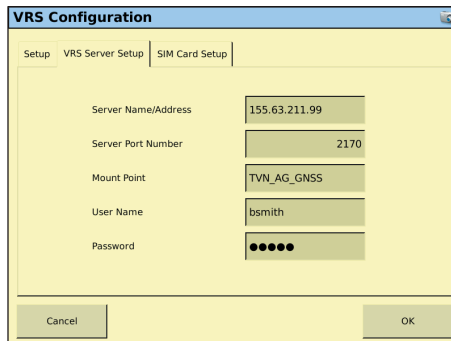
Note: The *FmX* integrated display must be unlocked for RTK to use the VRS correction type.

3. From the *Configuration* screen, select the *VRS* plugin and then tap **Setup**. The *VRS Configuration* screen appears:



The screenshot shows the 'VRS Configuration' window with the 'Setup' tab selected. The 'Device' dropdown menu is set to 'DCM300'. The bottom of the window shows 'Cancel' and 'OK' buttons.

4. From the *Device* drop-down list, select DCM-300 modem.
5. Select the *VRS Server Setup* tab:



The screenshot shows the 'VRS Configuration' window with the 'VRS Server Setup' tab selected. The fields are: 'Server Name/Address' (155.63.211.99), 'Server Port Number' (2170), 'Mount Point' (TVN_AG_GNSS), 'User Name' (bsmith), and 'Password' (masked with dots). The bottom of the window shows 'Cancel' and 'OK' buttons.

6. Enter the required settings, as provided by your Trimble VRS Now™ or Network RTK operator, as described below:

| Internet base setting | Description |
|-----------------------|---|
| Server Name / Address | RTK / VRS / CORS base station broadcast name. |
| Server Port Number | Base station port number |
| Mount Point | Base station mount point |
| User Name | Assigned user name |
| Password | Assigned password |

7. Tap **OK**. The *Configuration* screen appears.

8. Select the *SIM Card Setup* tab:

The screenshot shows a dialog box titled "VRS Configuration" with three tabs: "Setup", "VRS Server Setup", and "SIM Card Setup". The "SIM Card Setup" tab is selected. It contains four input fields: "APN", "User Name", "Password", and "SIM PIN". Each field is represented by a rectangular box. At the bottom of the dialog, there are two buttons: "Cancel" on the left and "OK" on the right.

9. Enter the required settings as described below:

| Setting | Description |
|----------------|---|
| APN | Mobile network access point |
| GPRS User Name | Mobile network user name. this is optional - check with your mobile network if this setting is required. |
| GPRS Password | Mobile network password. This is optional - check with your mobile network if this setting is required. |
| SIM PIN | This is an optional password lock to restrict use of the SIM card. |

Note: *SIM Card Setup* tab:

- In the USA, the DCM-300 modem comes with an AT&T SIM card; if you subscribe to the Trimble AT & T or Verizon data plans you do not need to enter the details.
- If you supply your own SIM card, you must obtain details of the SIM card from the card provider and then enter them here.
- The SIM card setup is only used for the DCM-300G modem; the DCM-300C modem for Verizon does not use the SIM card setup tab.

DCM-300 Modem with Correction Services and the FmX[®] Integrated Display

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