

AgGPS® EZ-Guide® Plus lightbar guidance system

Upgrade Option Cabling Guide

**Version 2.01
Revision B
August 2006**



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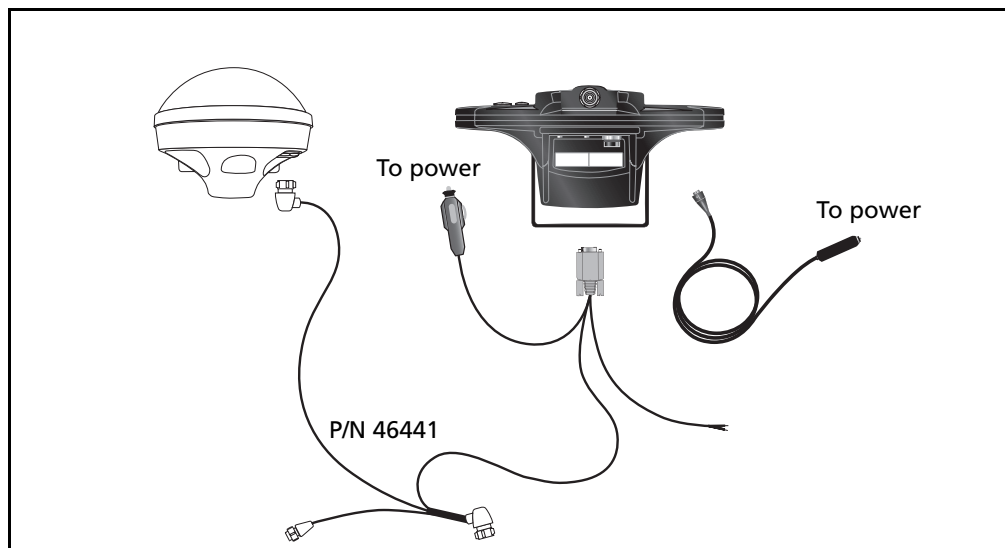
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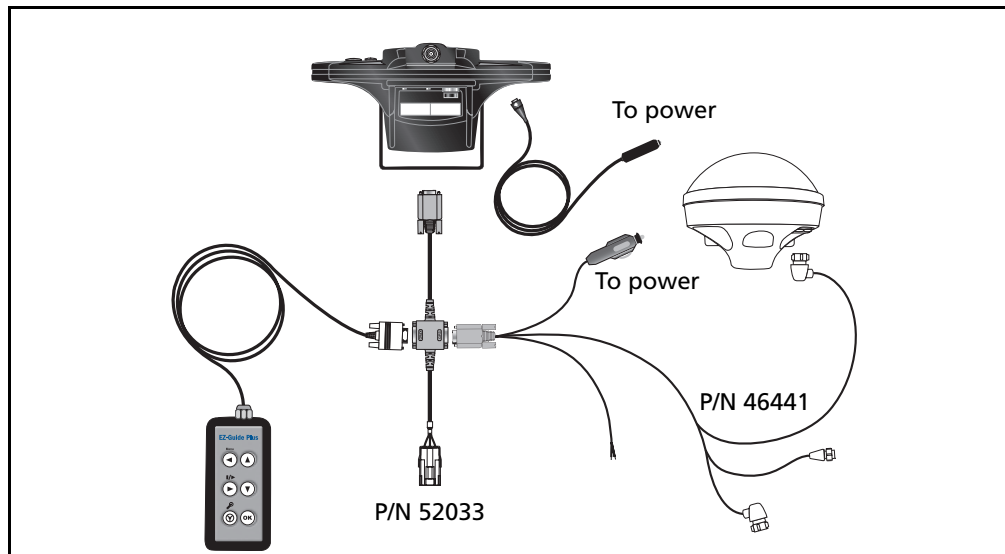
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AgGPS 110 GPS Receiver (With AgGPS EZ-Guide SL Cable)

Without remote control

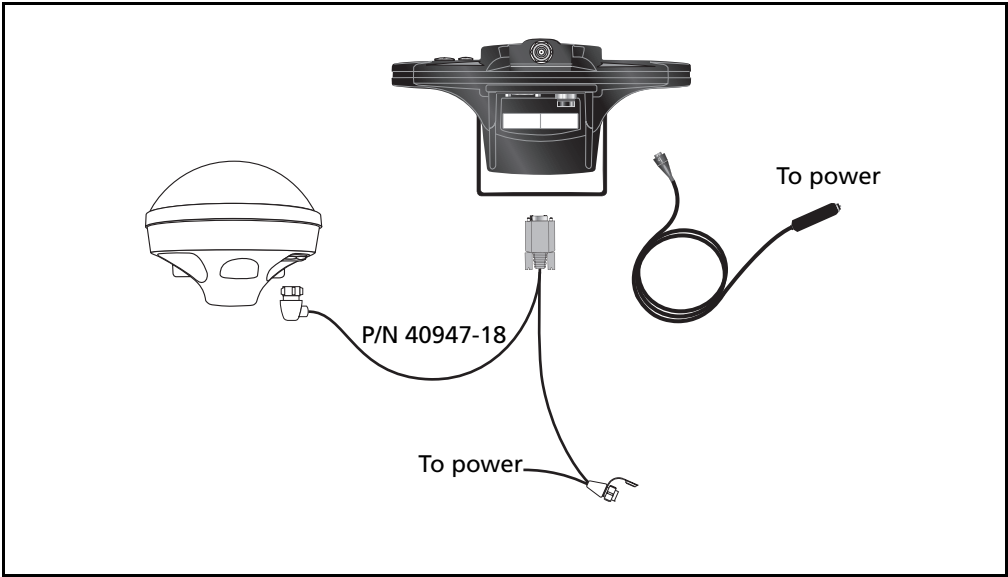


With remote control

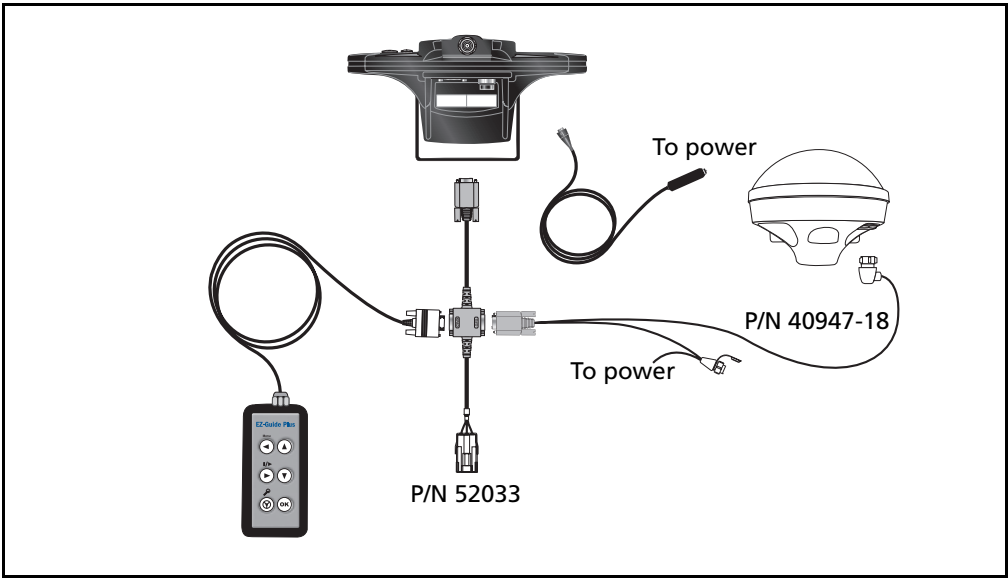


AgGPS 114 GPS Receiver (With 40947-18 Cable)

Without remote control

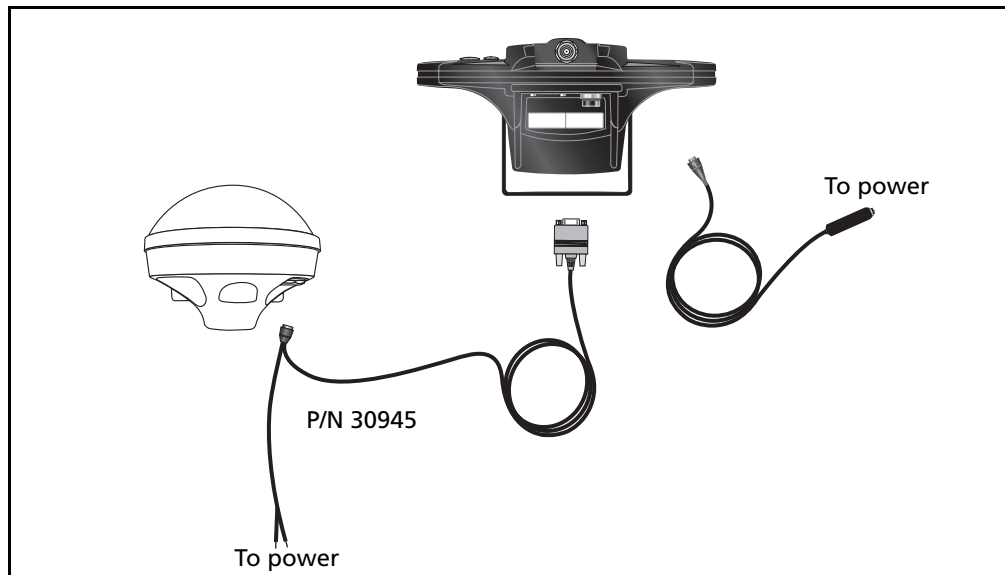


With remote control

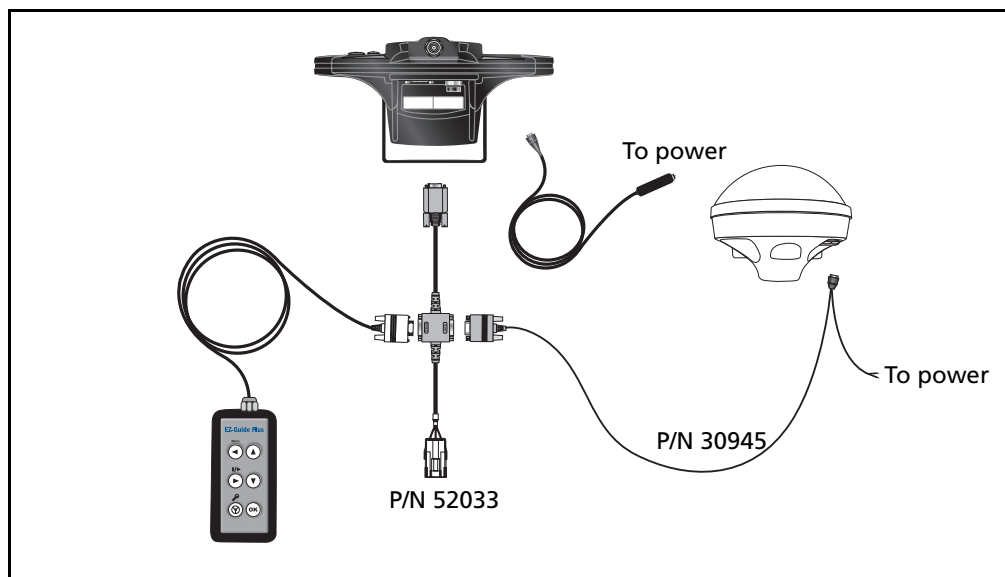


AgGPS 110/114 GPS Receiver (With 30945 Cable)

Without remote control

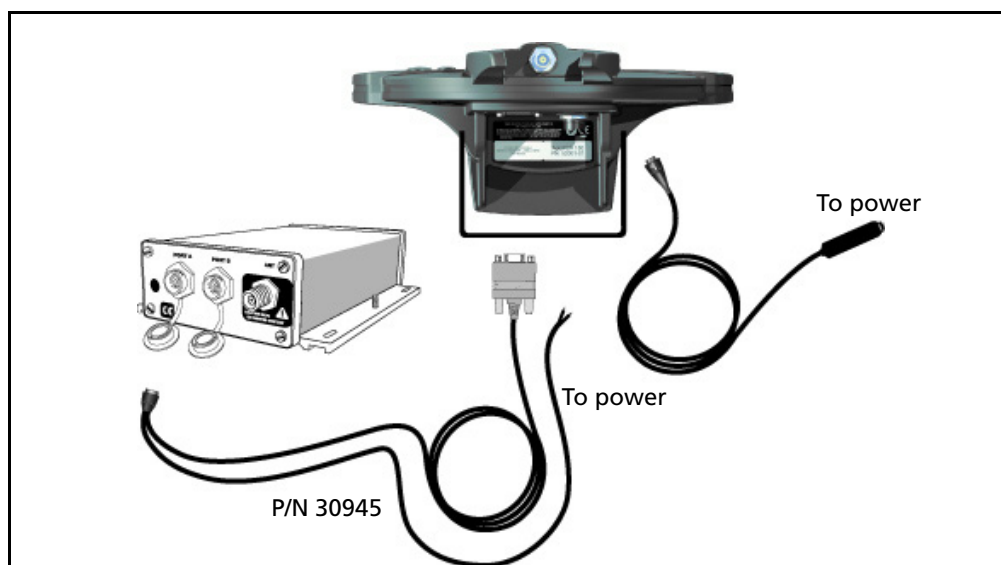


With remote control

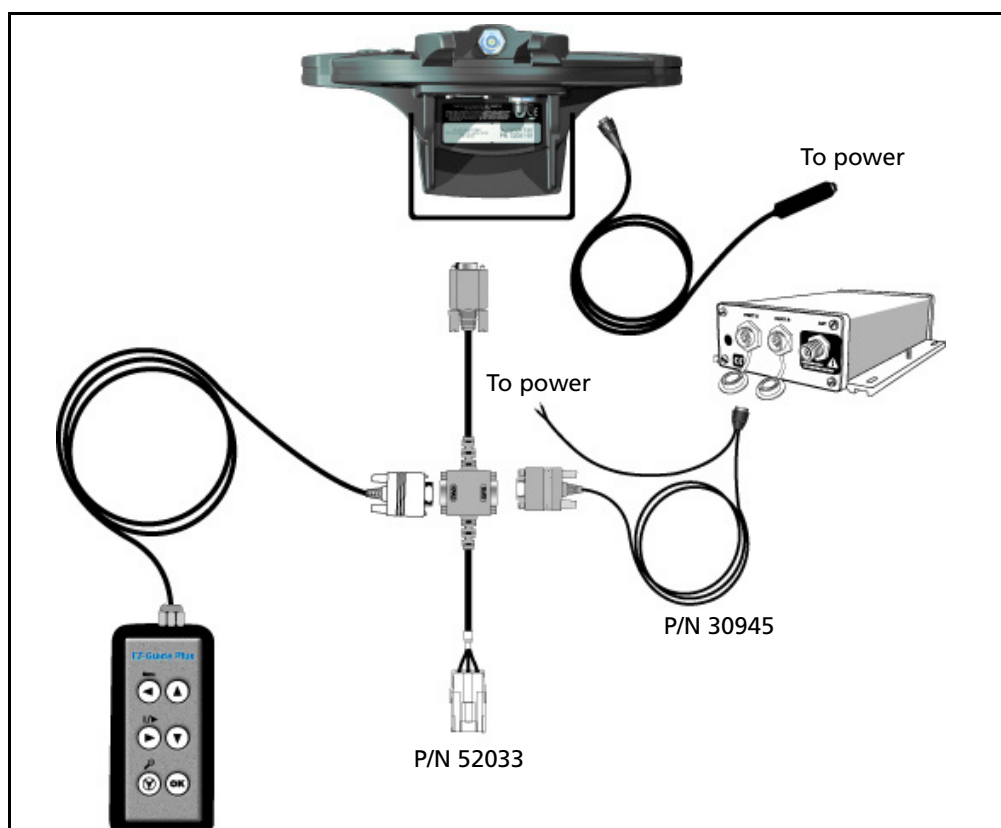


AgGPS 124/132 GPS Receiver

Without remote control



With remote control

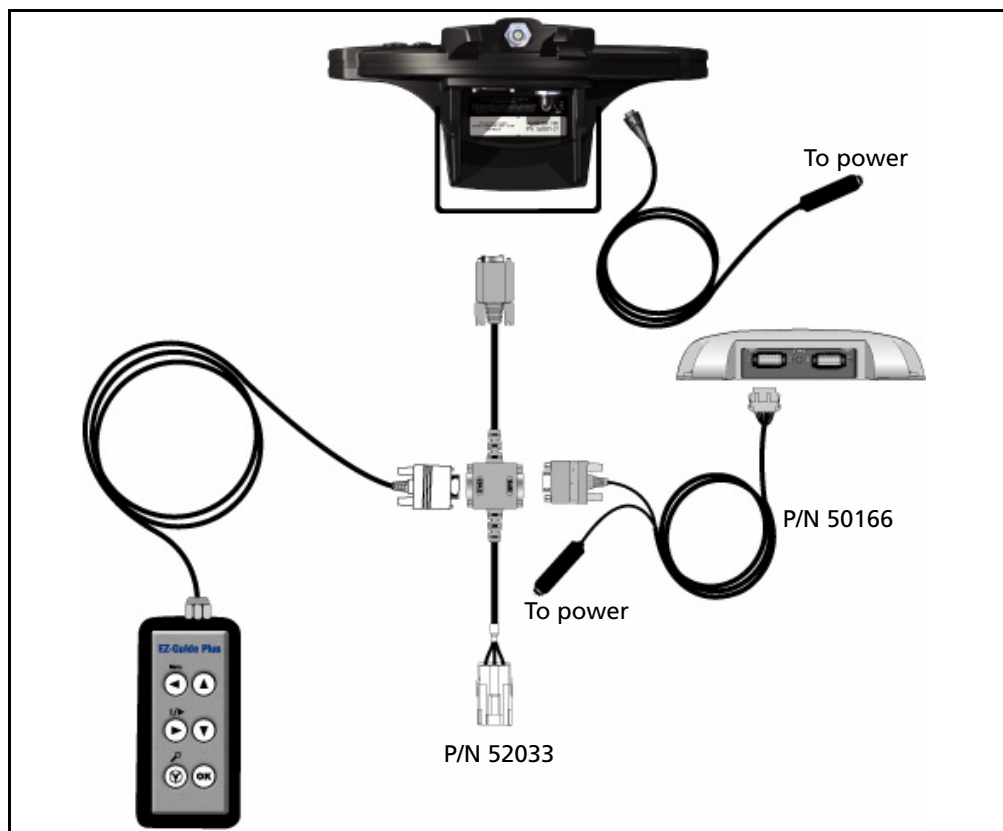


AgGPS 252 GPS Receiver

Without remote control

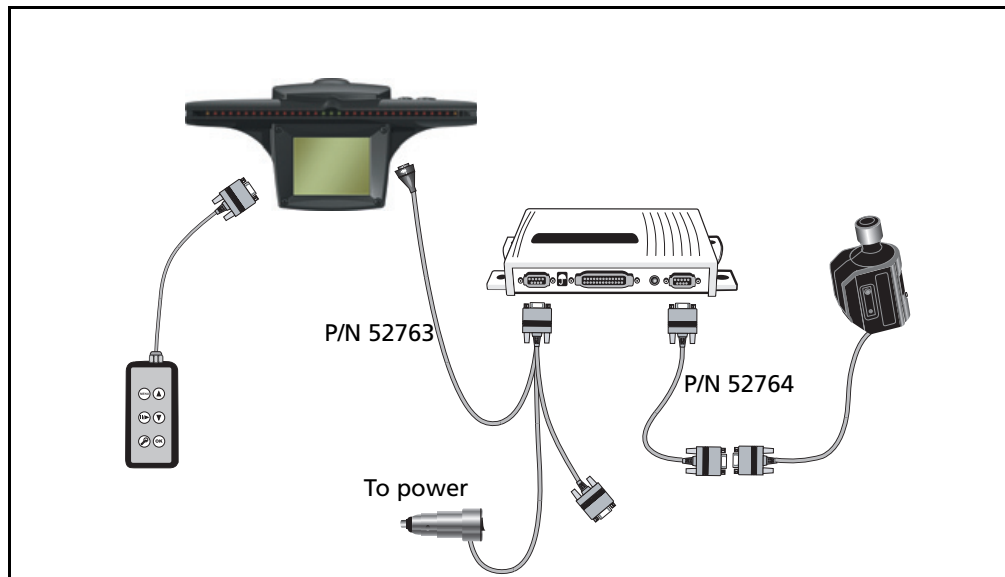


With remote control

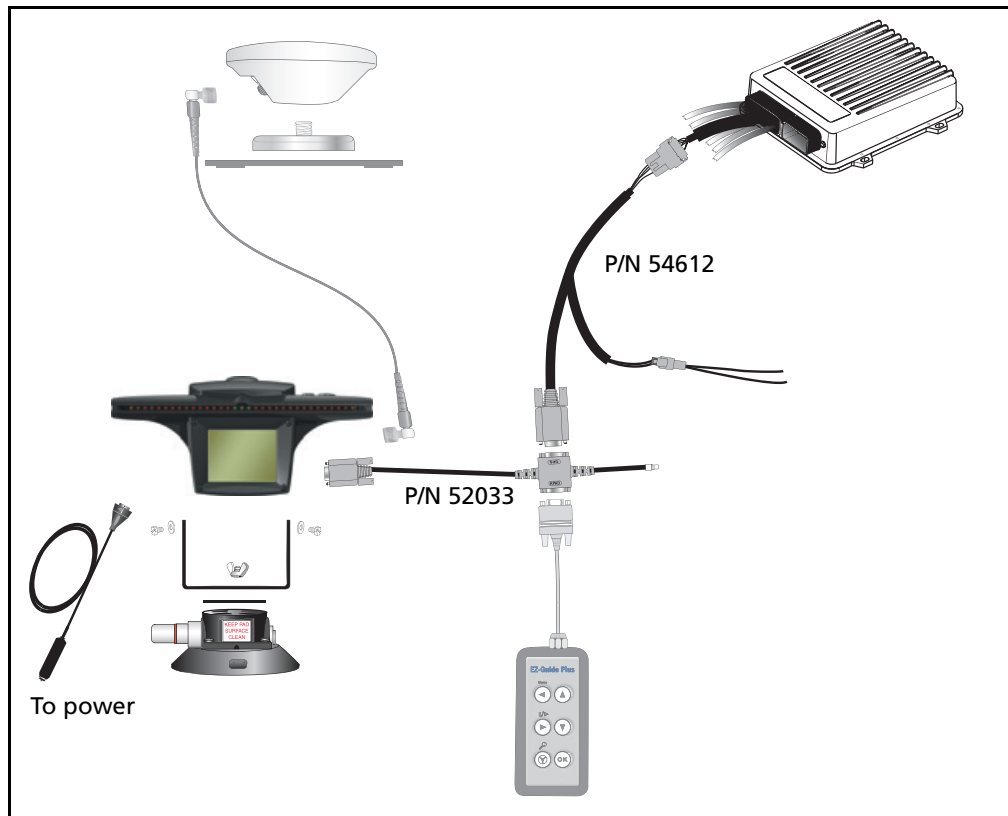


Steering Only

AgGPS EZ-Steer™ assisted steering system



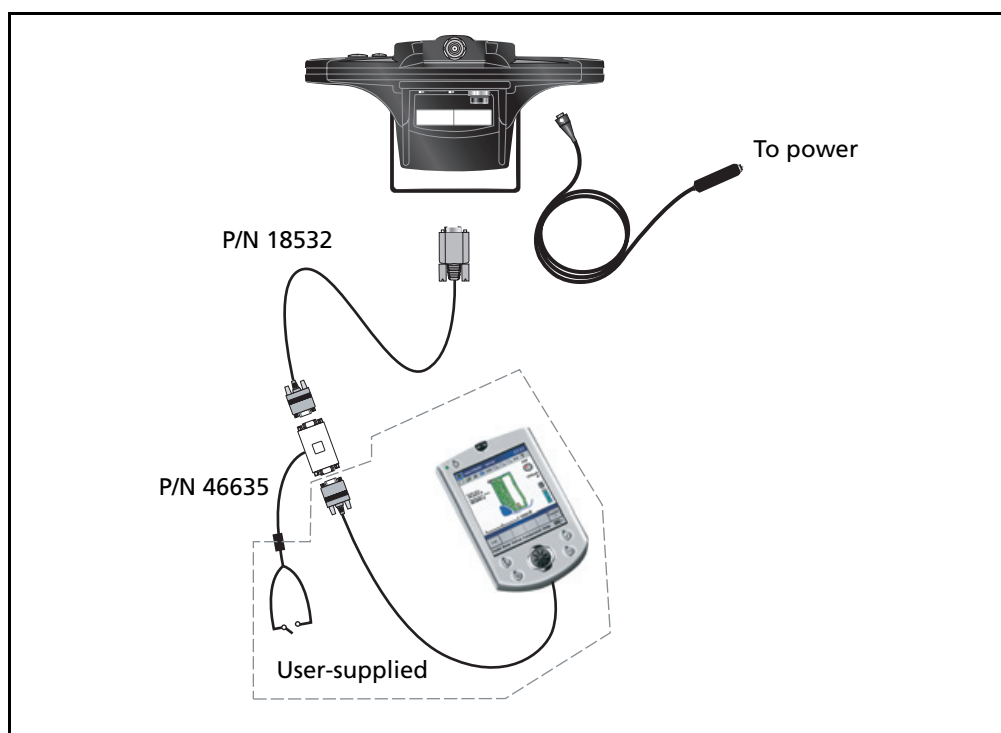
AgGPS Autopilot™ Automated Steering System



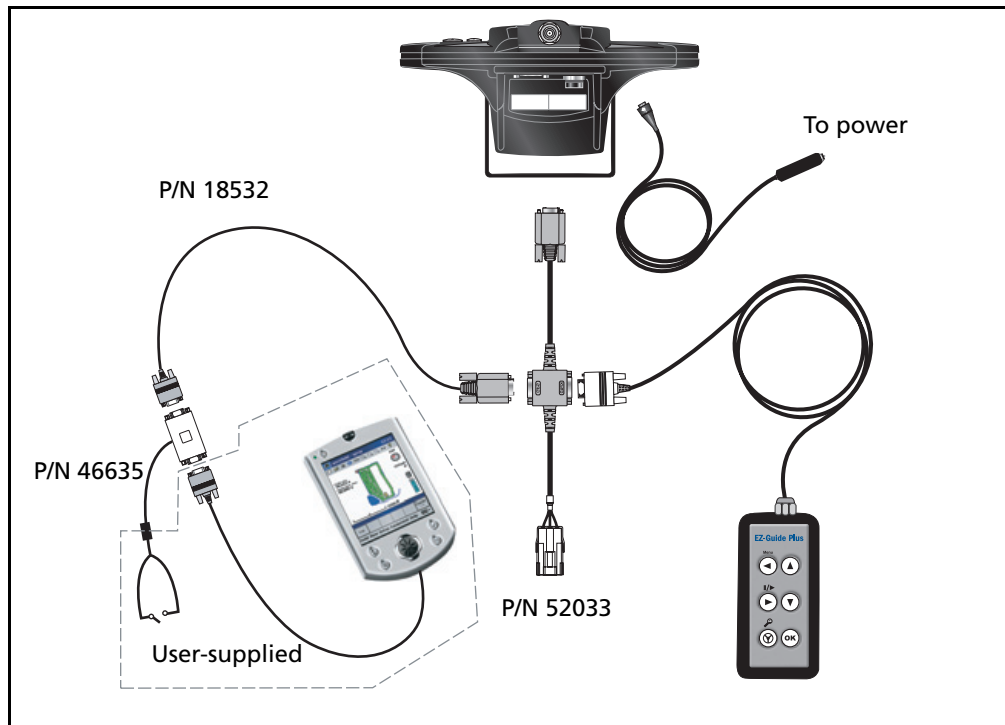
Mapping Only

AgGPS EZ-Map Software

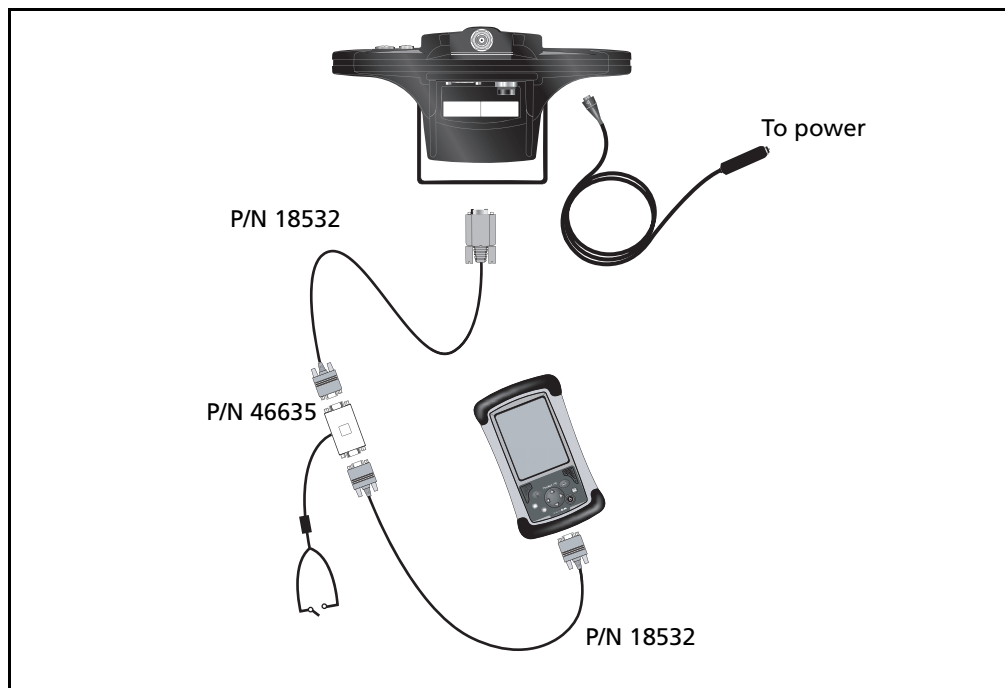
Pocket PC without remote control



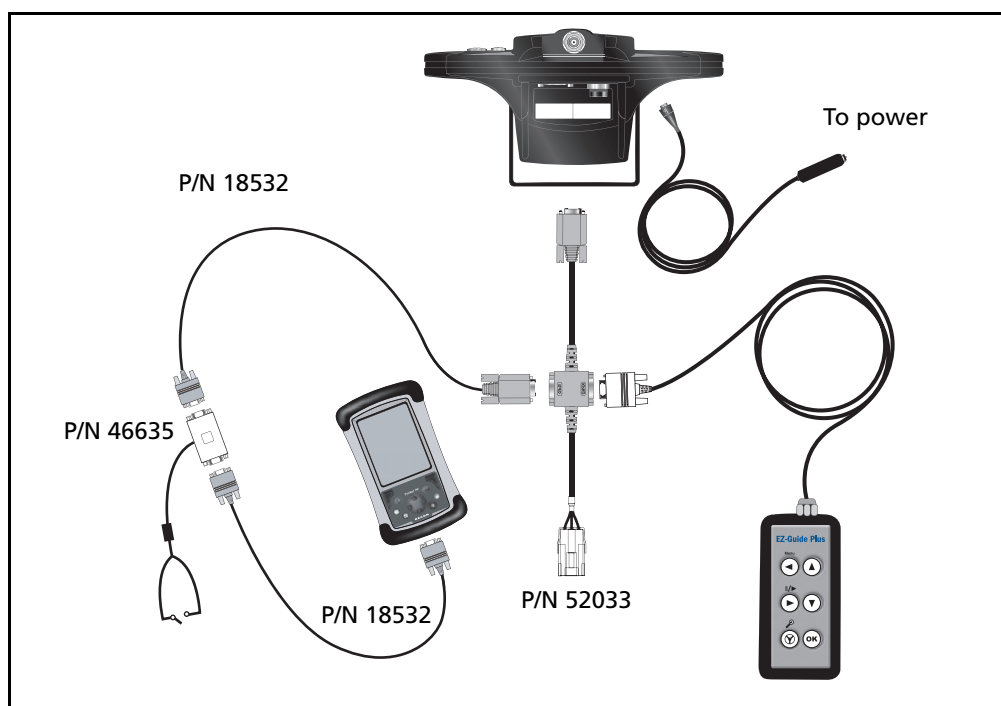
Pocket PC with remote control



AgGPS® Recon™ handheld without remote control

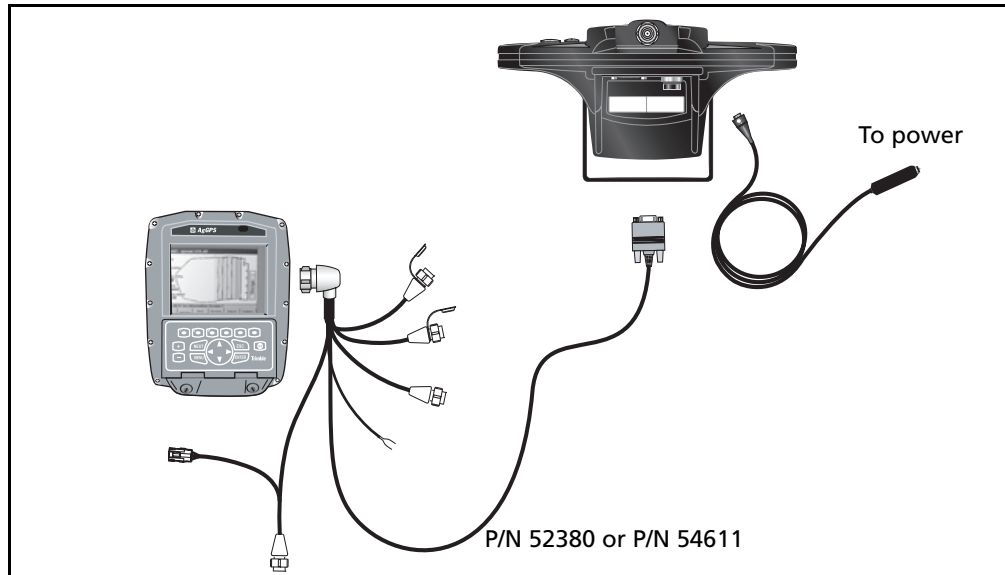


AgGPS Recon handheld with remote control

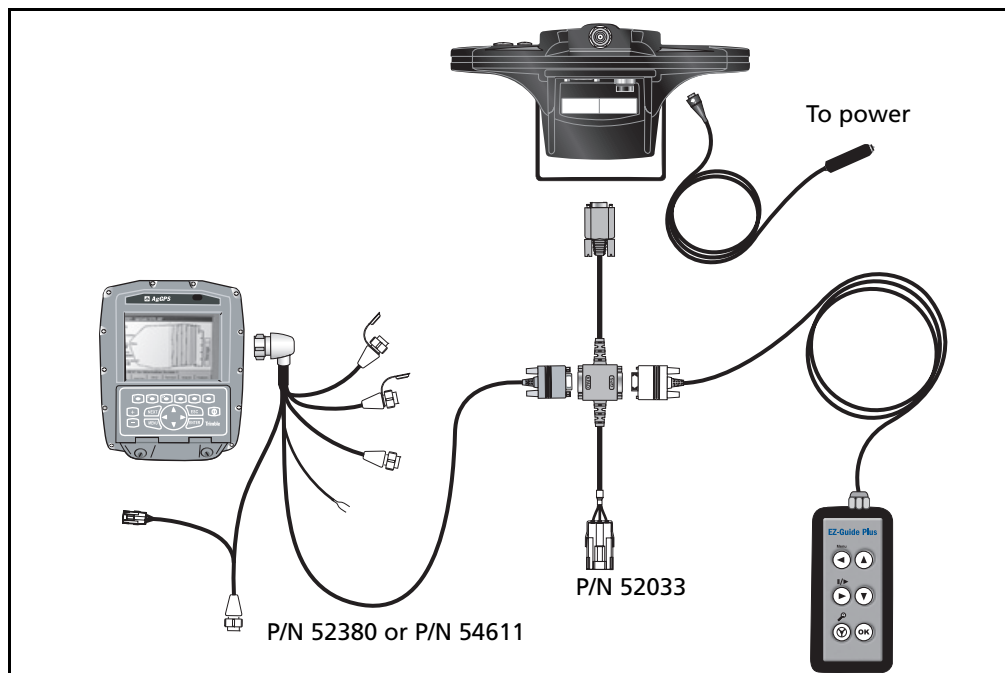


AgGPS 170 Field Computer

Without remote control



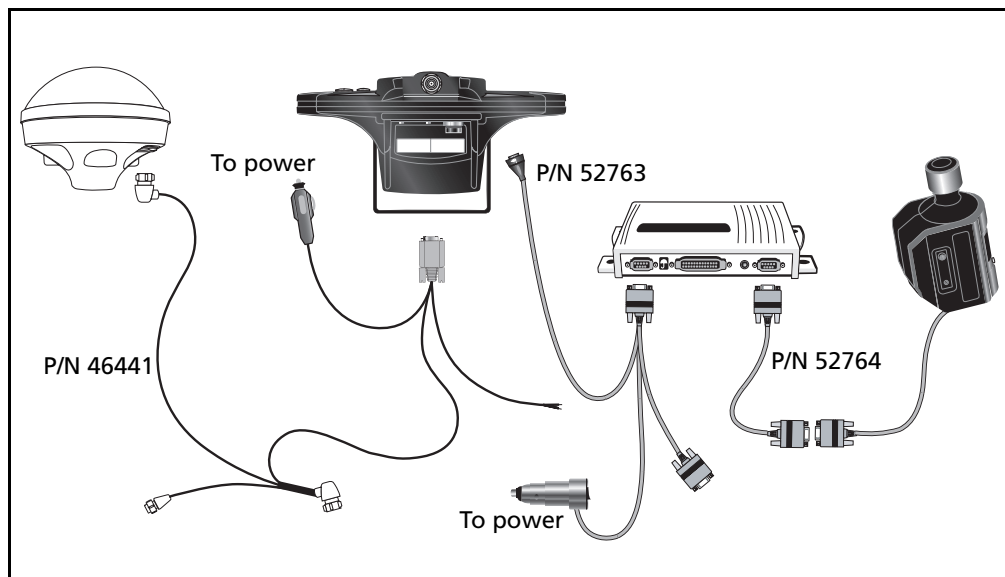
With remote control



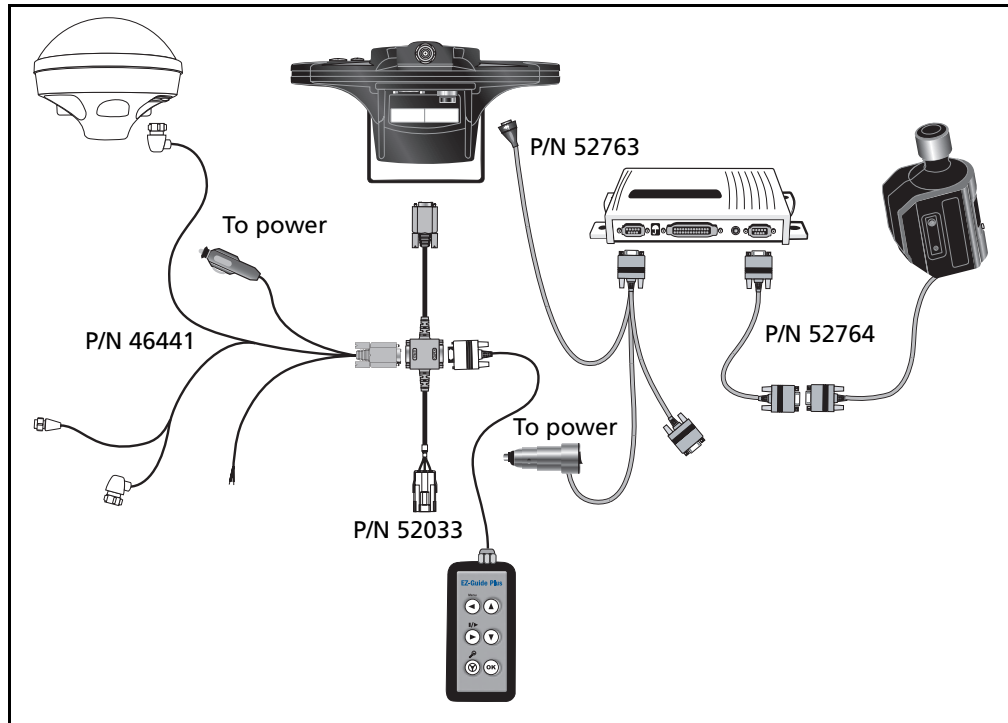
Receivers and Steering

AgGPS 110 GPS Receiver (With EZ-Guide SL Cable) and EZ-Steer Assisted Steering System

Without remote control

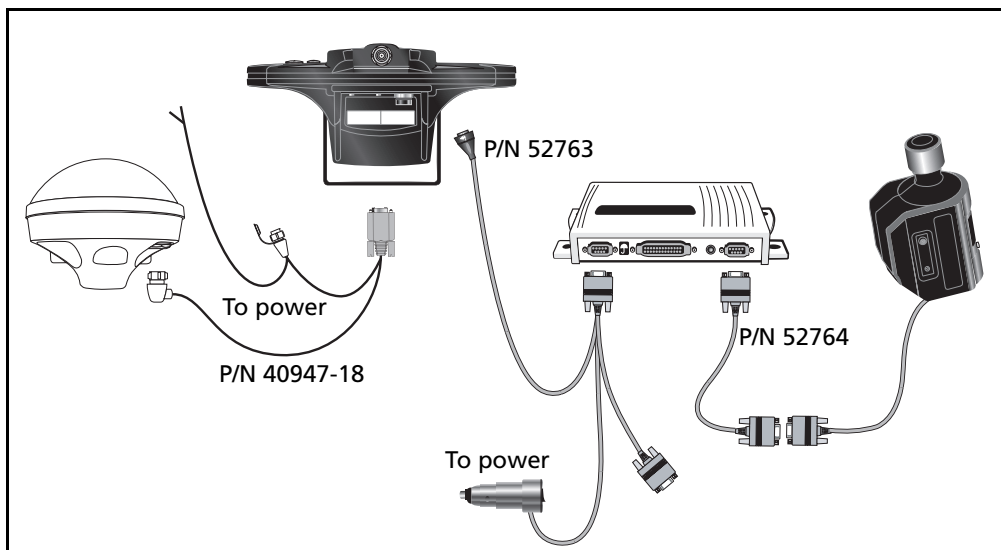


With remote control

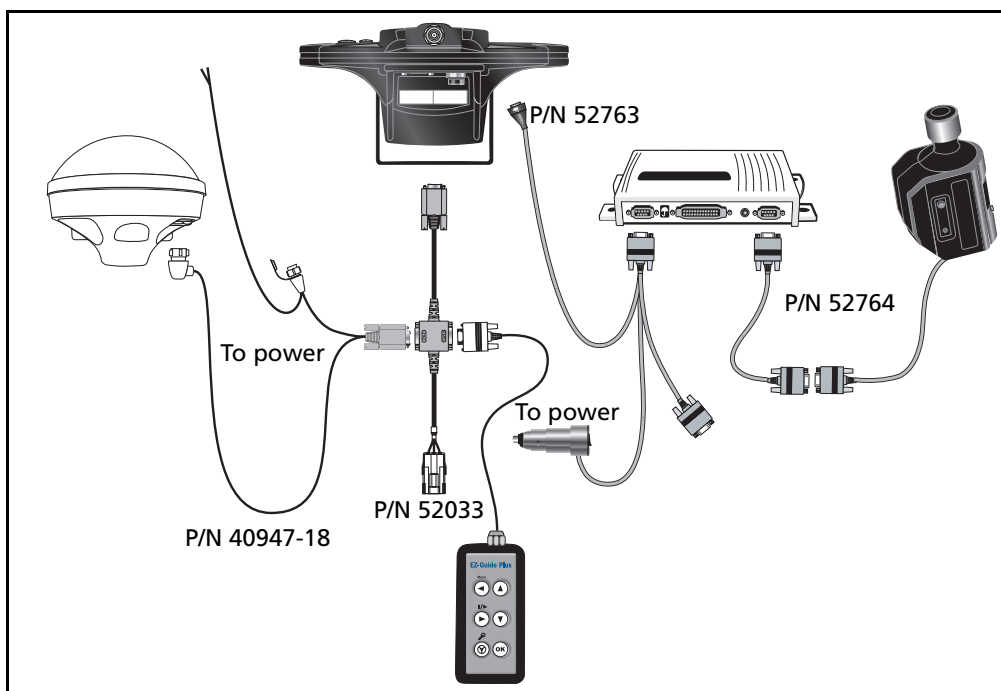


AgGPS 114 GPS Receiver (With 40947-18 Cable) and EZ-Steer Assisted Steering System

Without remote control

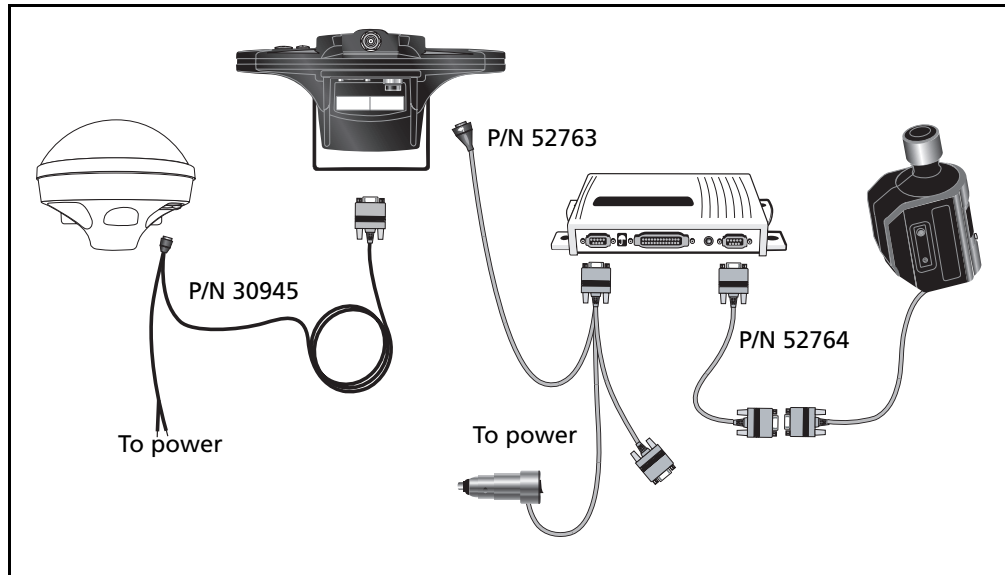


With remote control

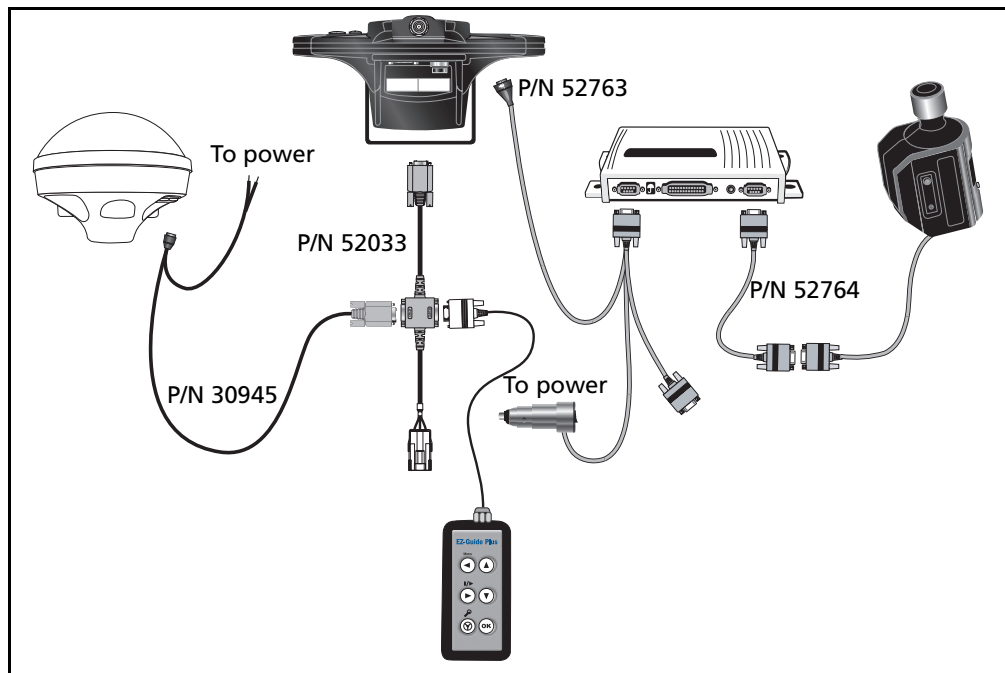


AgGPS 110/114 GPS Receiver (With 30945 Cable) and EZ-Steer Assisted Steering System

Without remote control

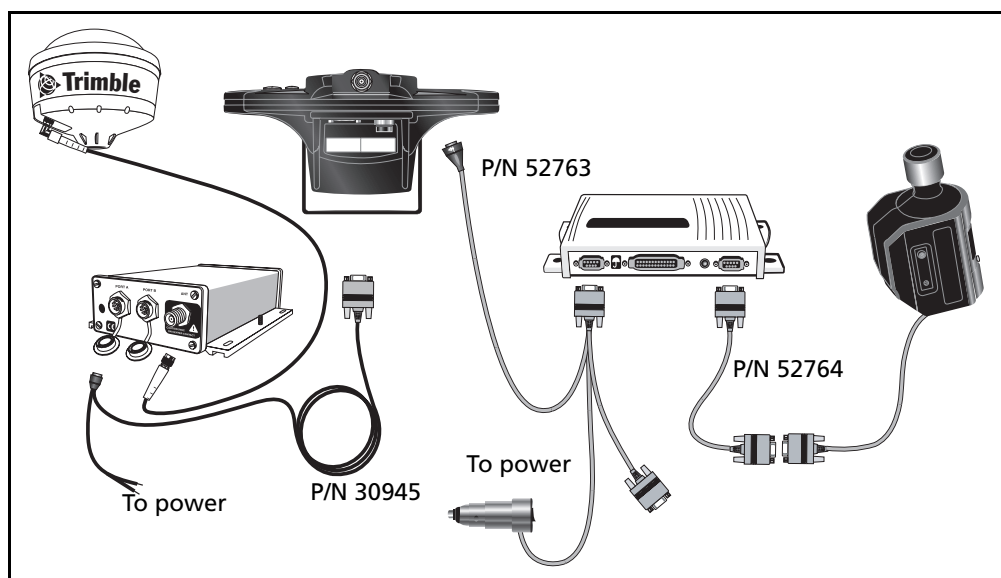


With remote control

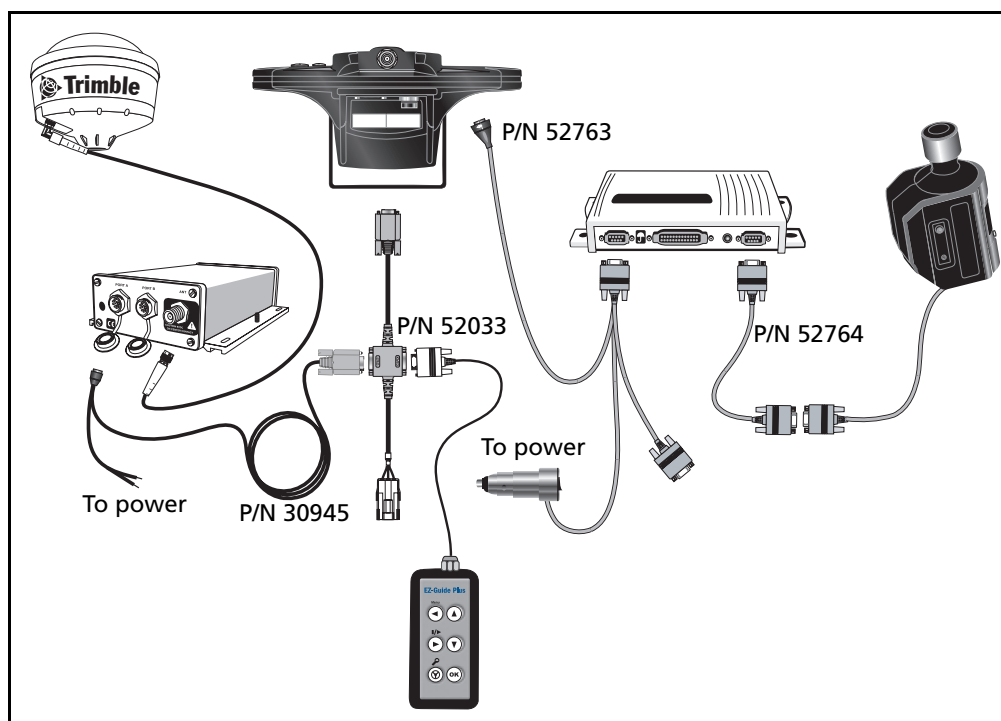


AgGPS 124/132 GPS Receivers and EZ-Steer Assisted Steering System

Without remote control

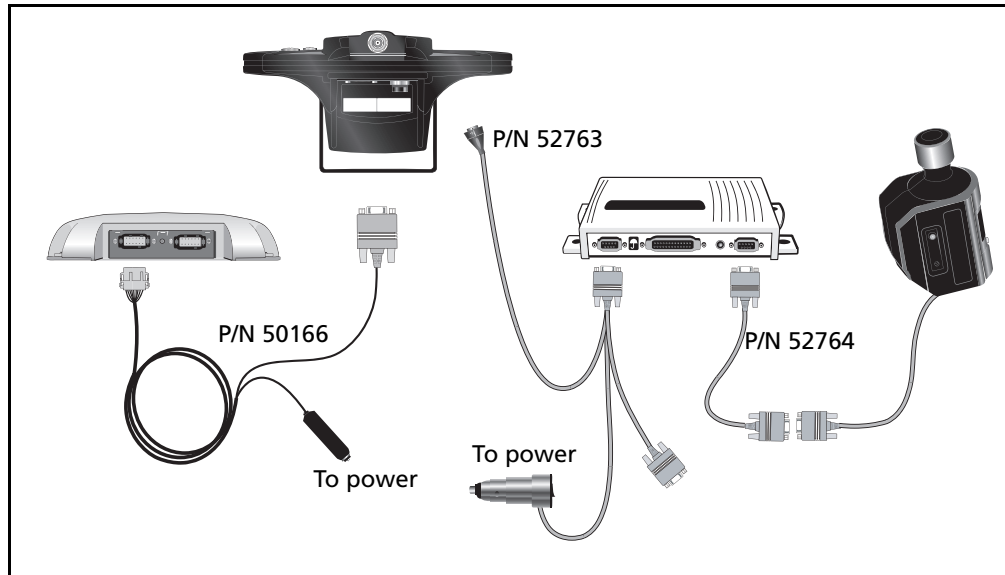


With remote control

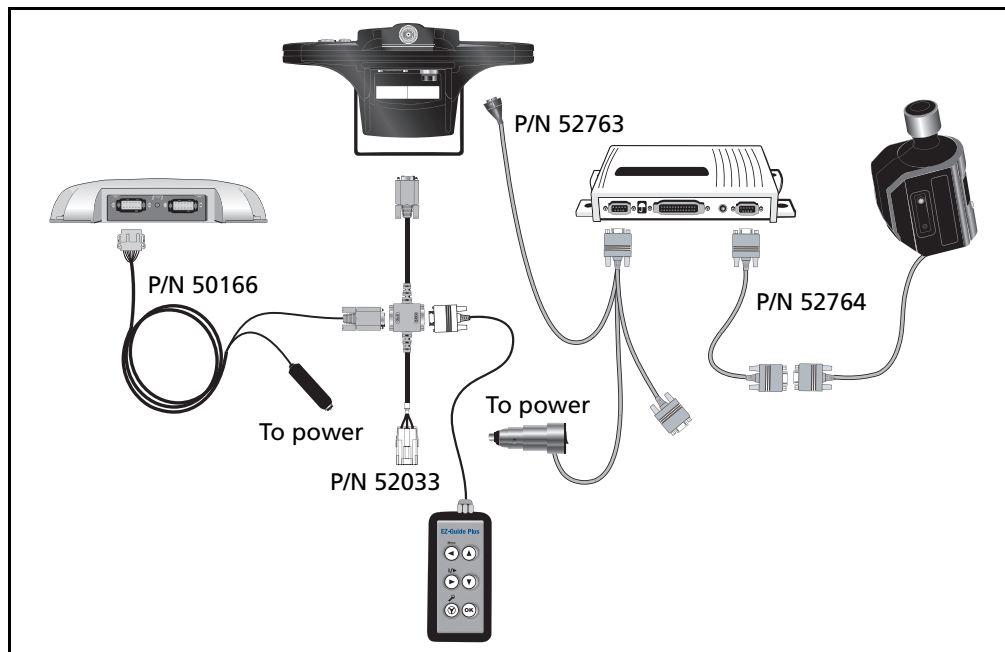


AgGPS 252 GPS Receiver and EZ-Steer Assisted Steering System

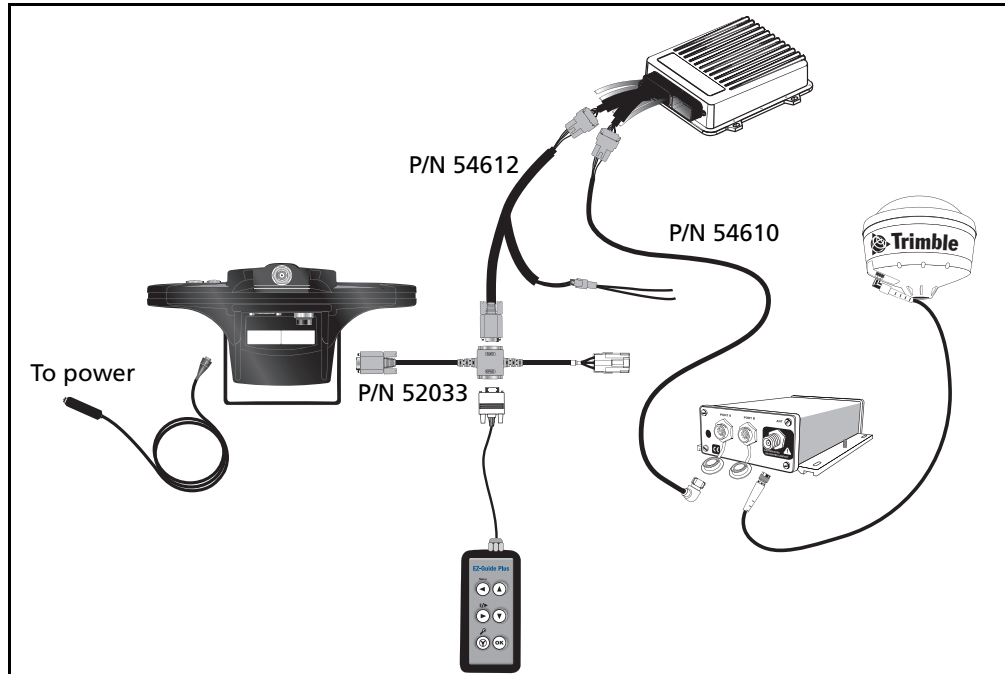
Without remote control



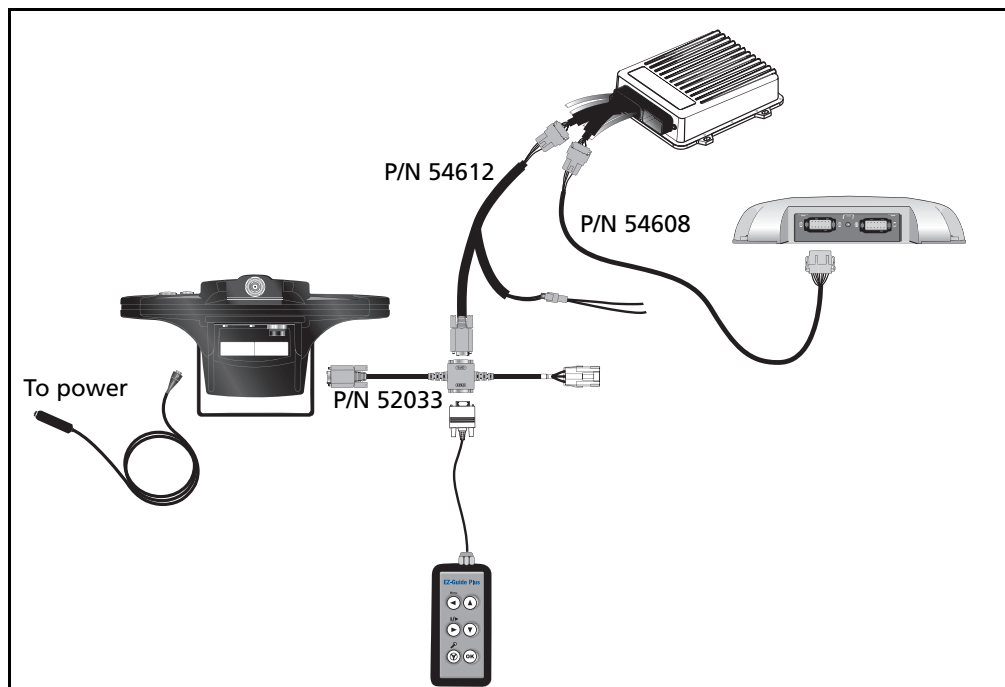
With remote control



AgGPS 132 GPS Receiver and Autopilot Automated Steering System



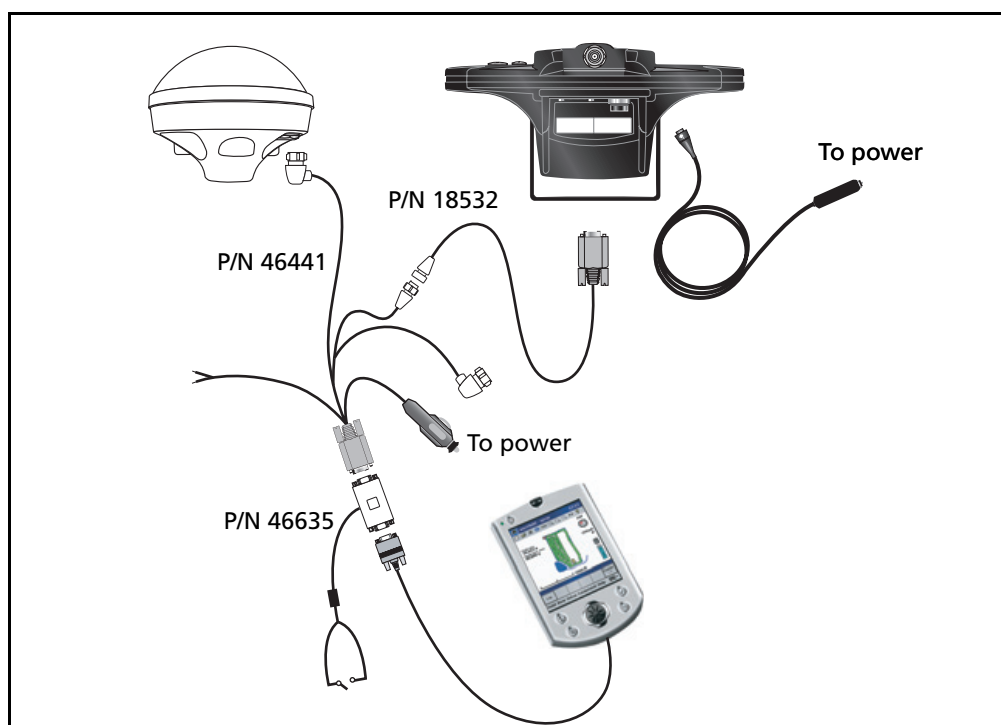
AgGPS 252 GPS Receiver and Autopilot Automated Steering System



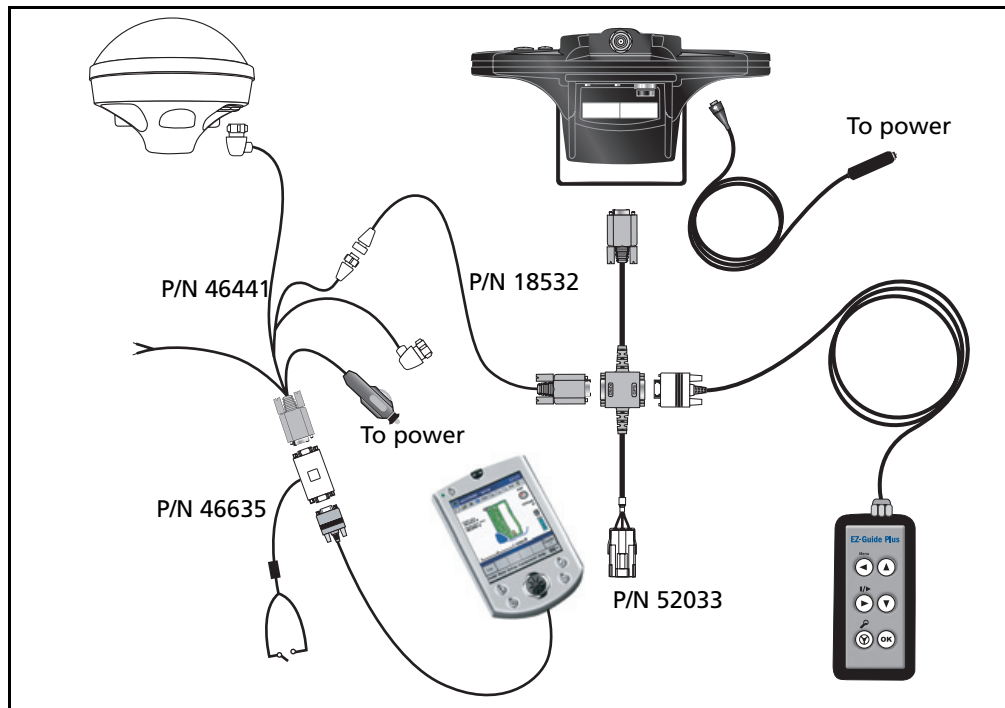
Receivers and Mapping

AgGPS 110 GPS Receiver With 46441 Cable and AgGPS EZ-Map Software

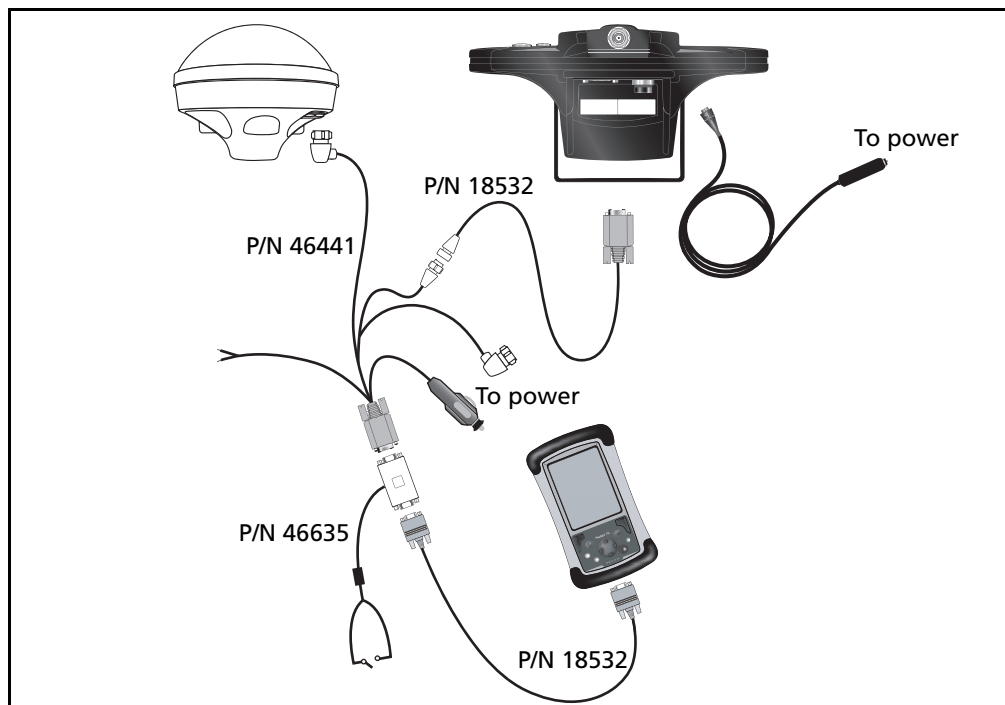
Pocket PC without remote control



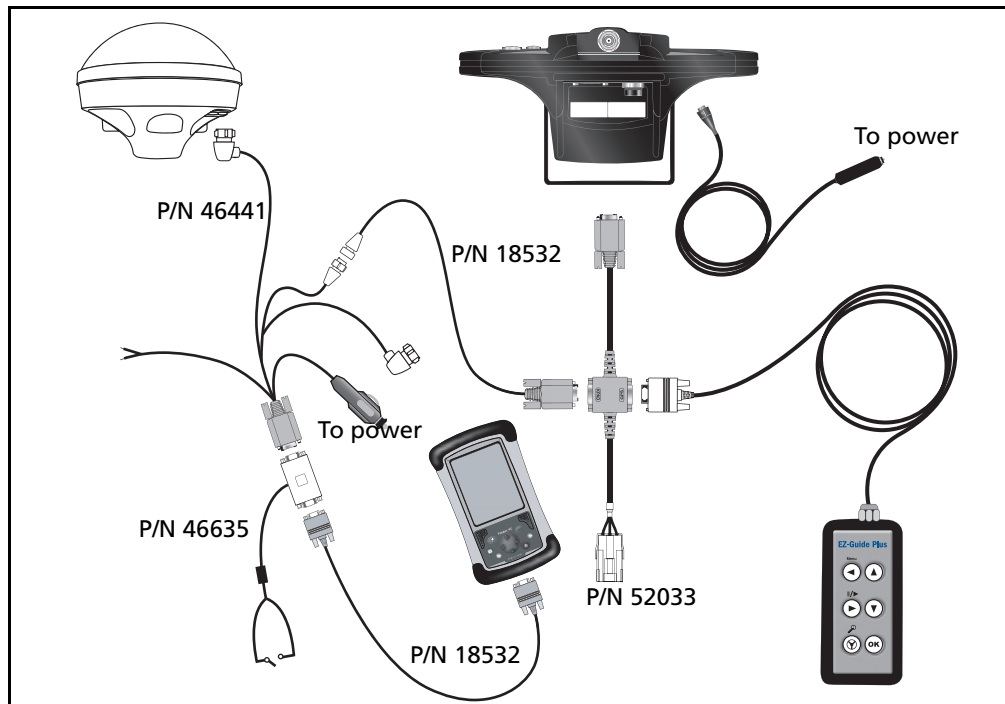
Pocket PC with remote control



AgGPS Recon handheld without remote control

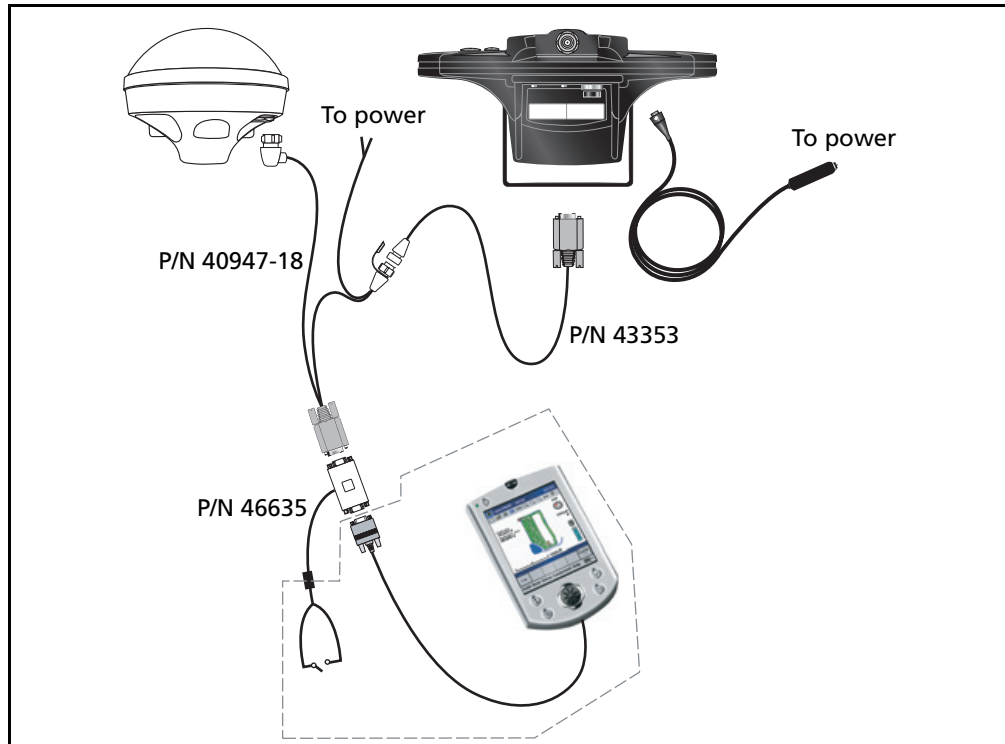


AgGPS Recon handheld with remote control

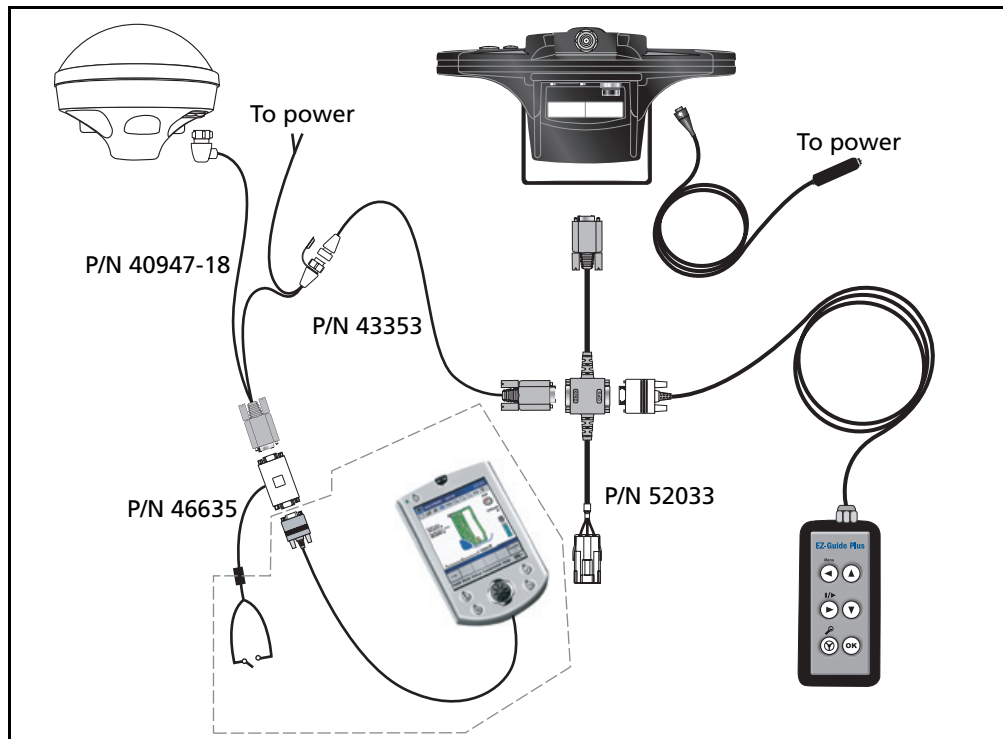


AgGPS 114 GPS Receiver With 40947-18 Cable and AgGPS EZ-Map Software

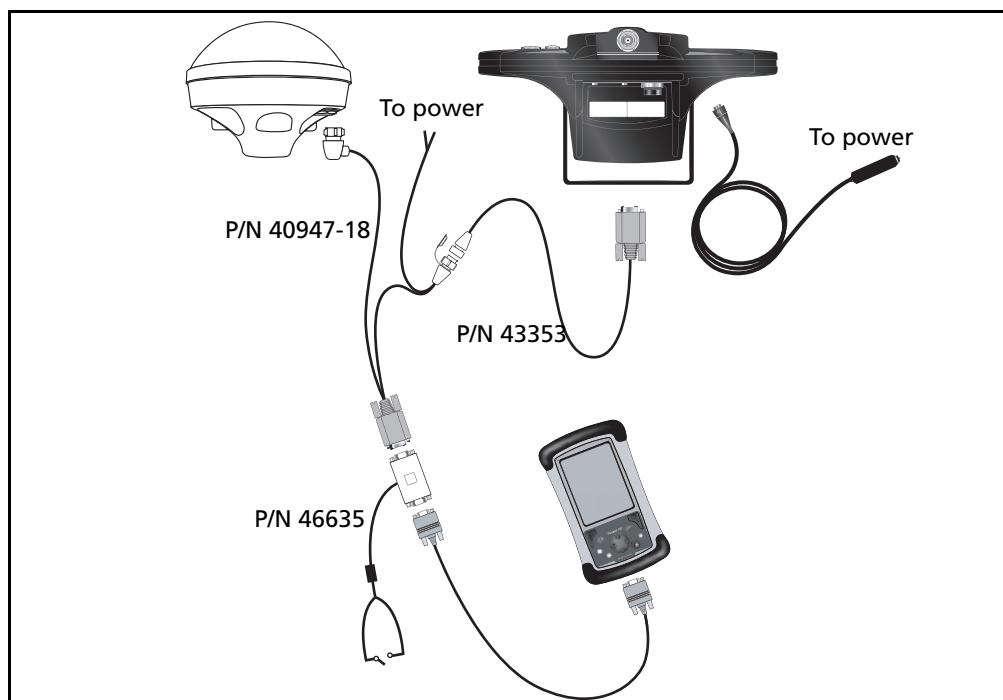
Pocket PC without remote control



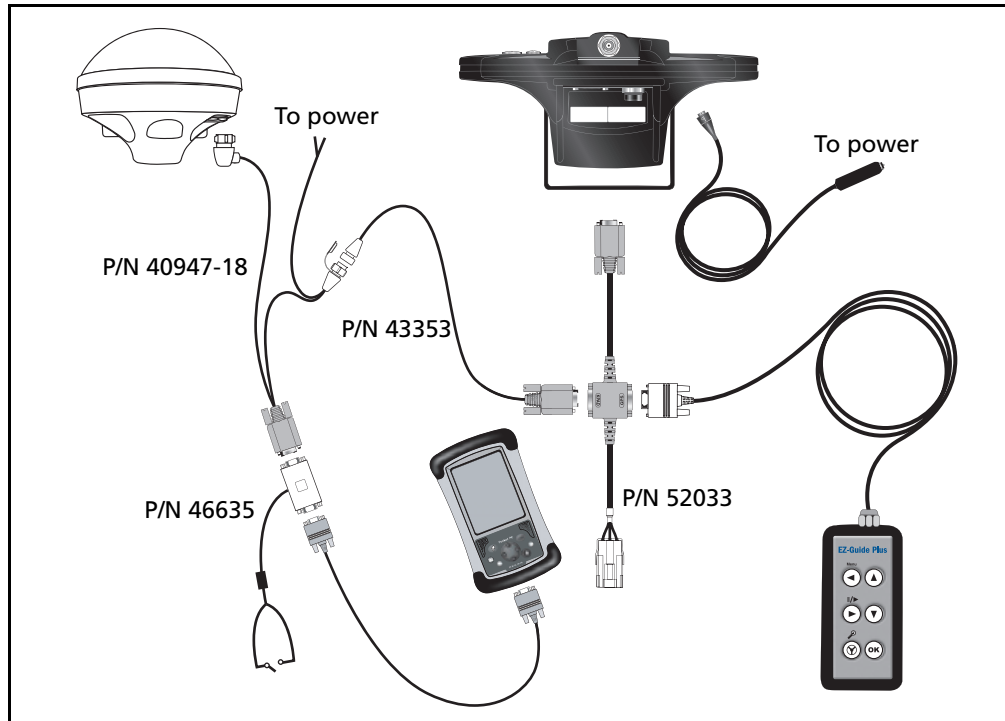
Pocket PC with remote control



AgGPS Recon handheld without remote control

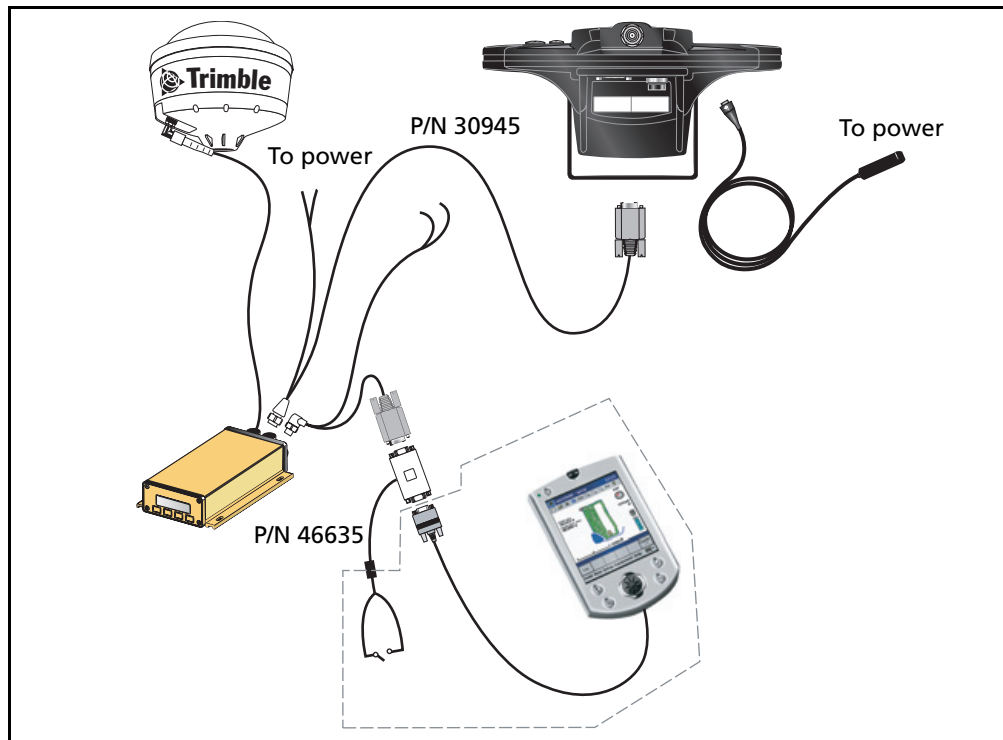


AgGPS Recon handheld with remote control

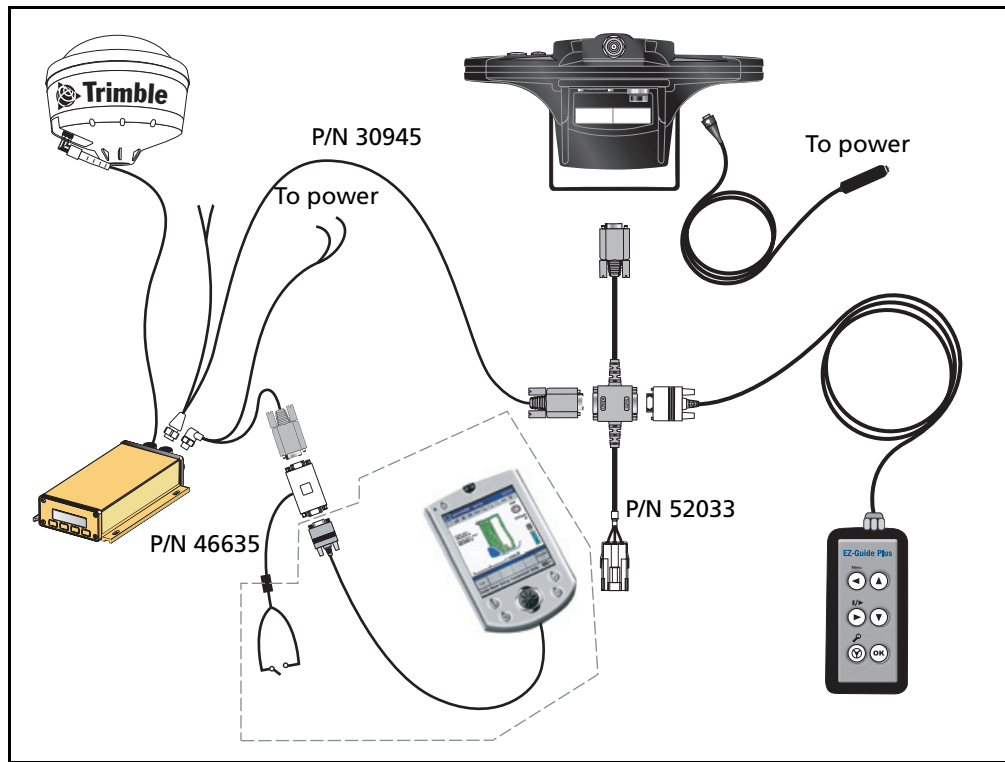


AgGPS 124/132 GPS Receiver and AgGPS EZ-Map Software

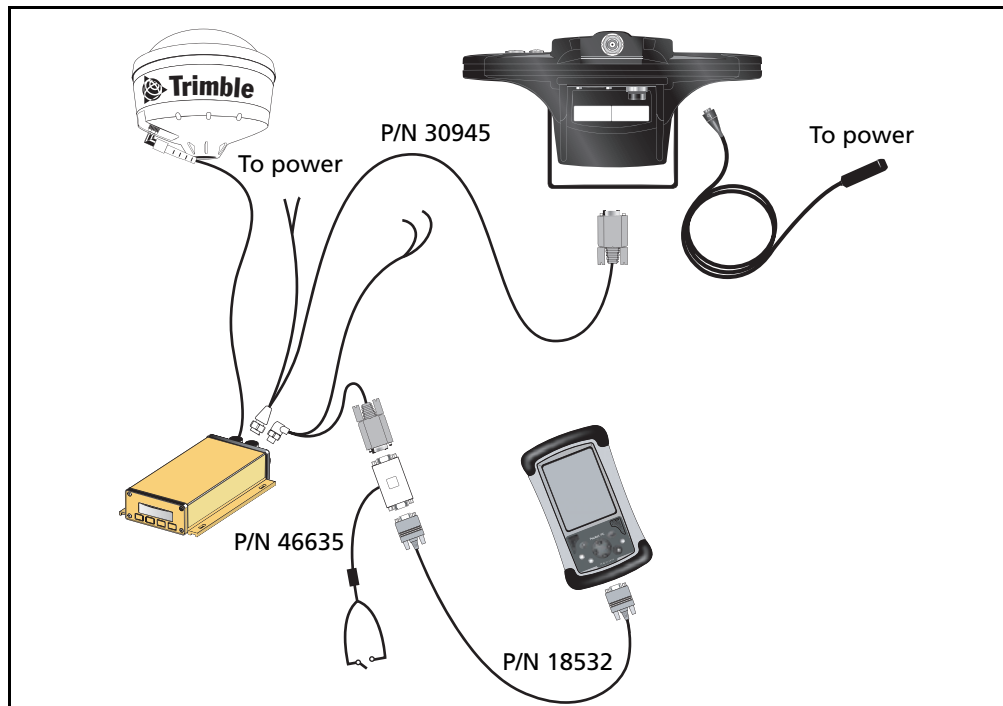
Pocket PC without remote control



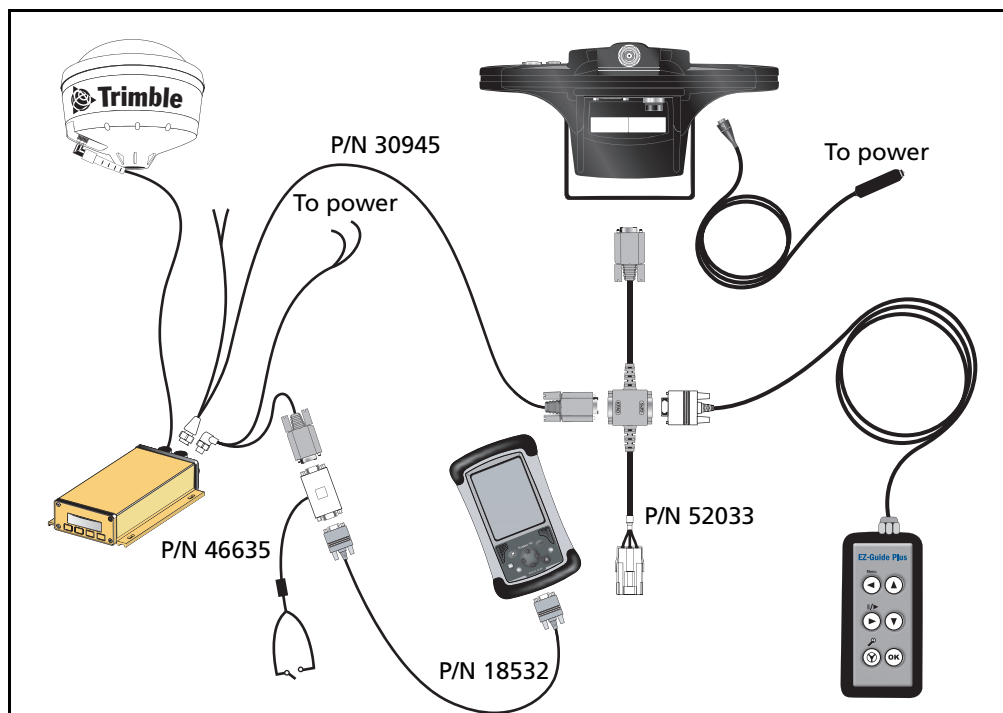
Pocket PC with remote control



AgGPS Recon handheld without remote control

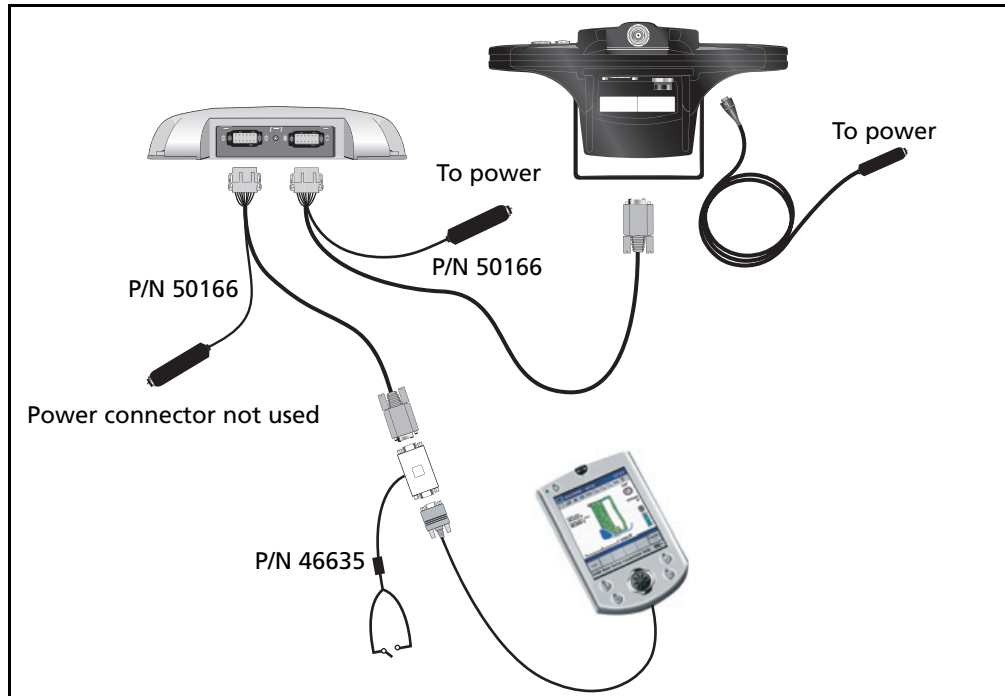


AgGPS Recon handheld with remote control



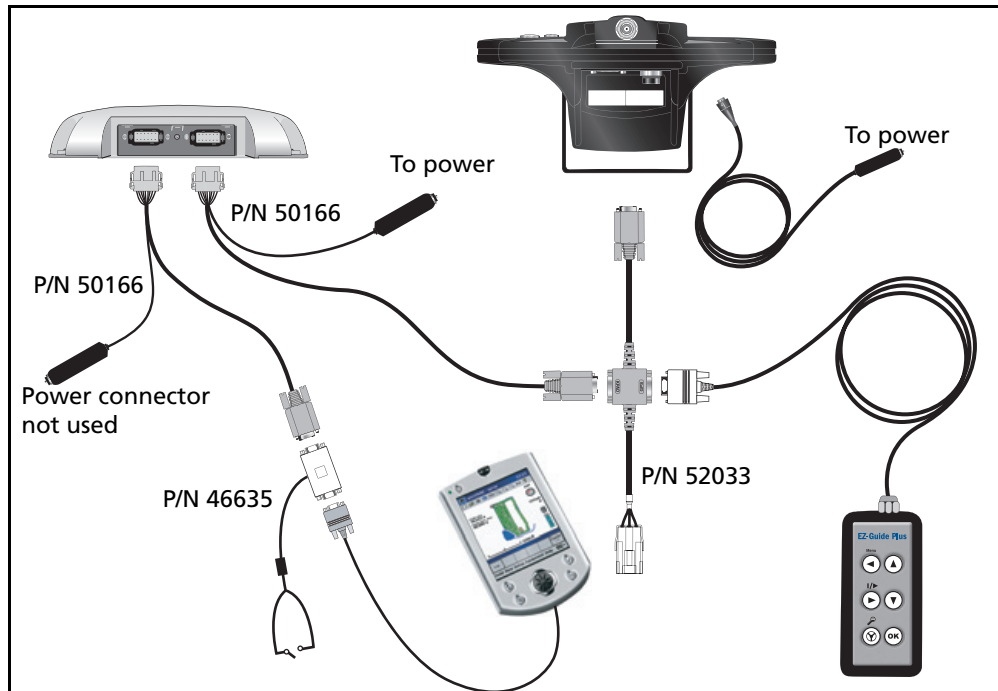
AgGPS 252 GPS Receiver and AgGPS EZ-Map Software

Pocket PC without remote control



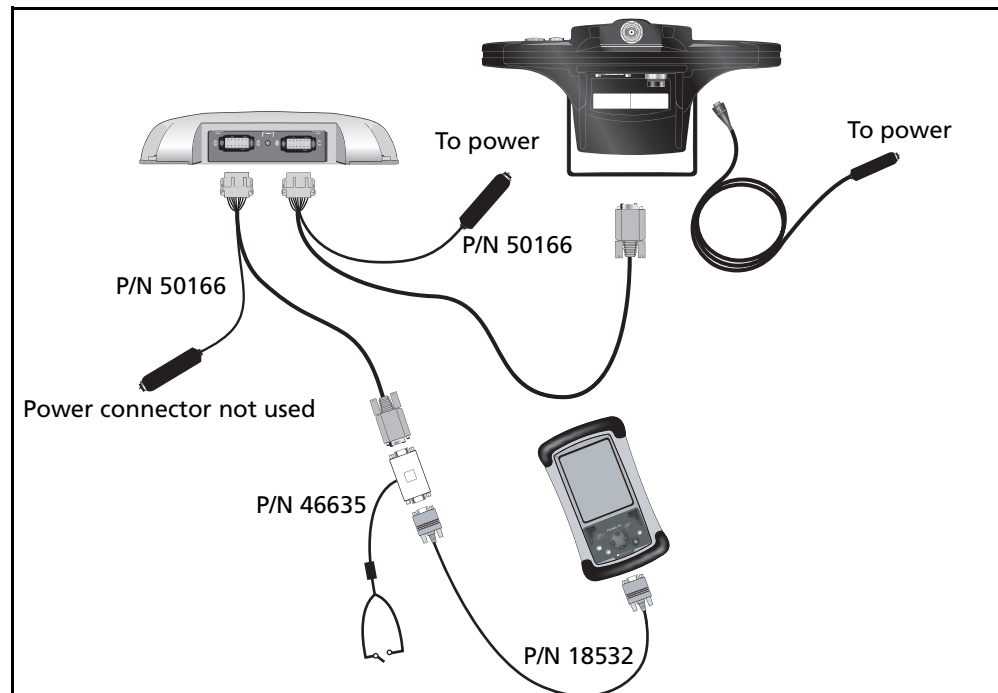
Note – Cover (insulate) the unused power connector to avoid a short circuit.

Pocket PC with remote control



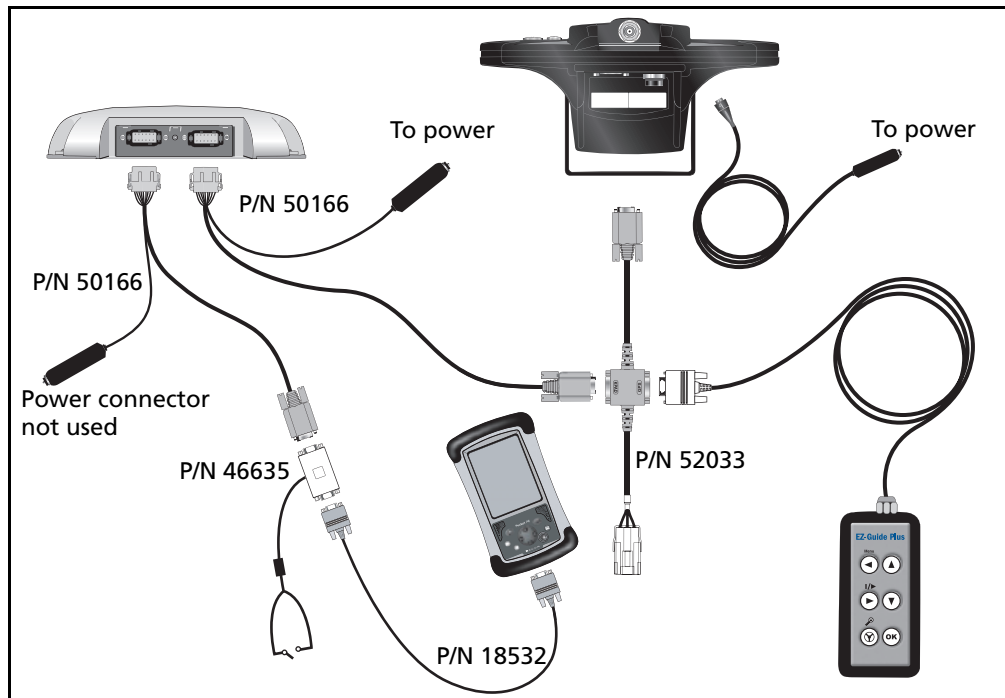
Note – Cover (insulate) the unused power connector to avoid a short circuit.

AgGPS Recon handheld without remote control



Note – Cover (insulate) the unused power connector to avoid a short circuit.

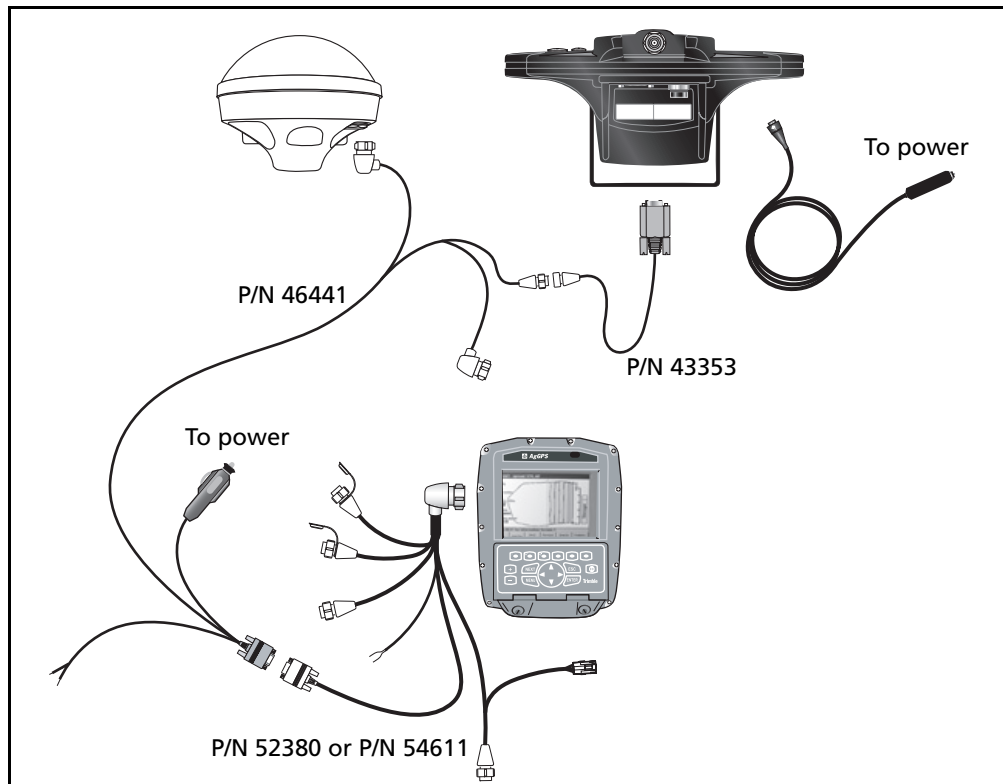
AgGPS Recon handheld with remote control



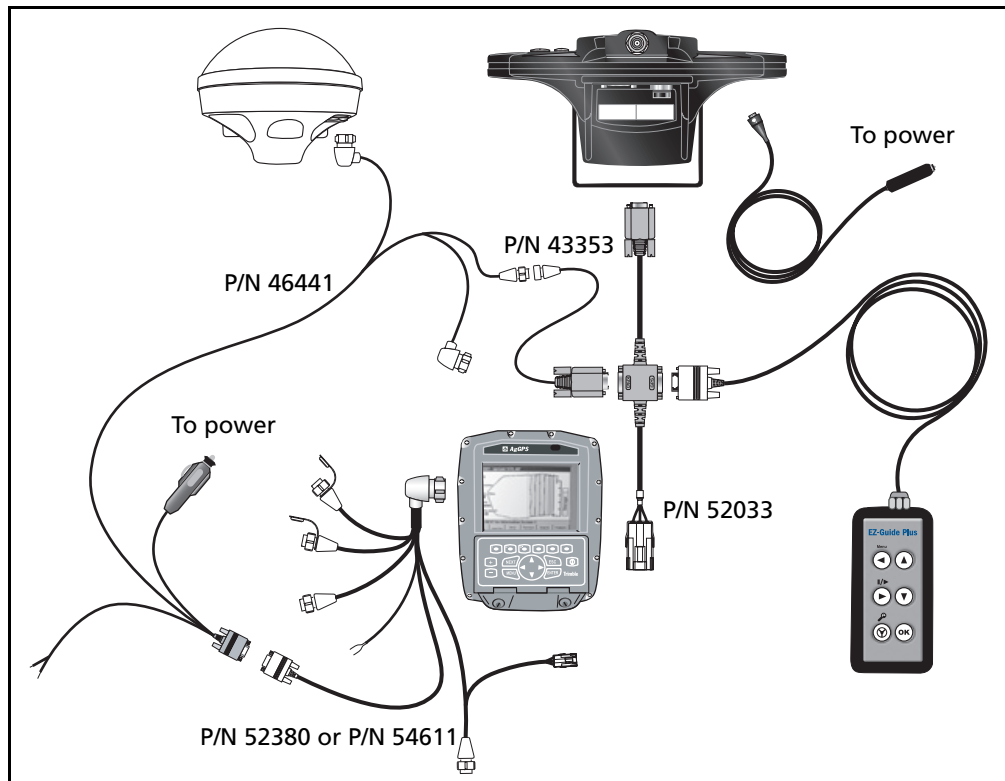
Note – Cover (insulate) the unused power connector to avoid a short circuit.

AgGPS 110 GPS Receiver (With EZ-Guide SL Cable) and AgGPS 170 Field Computer

Without remote control

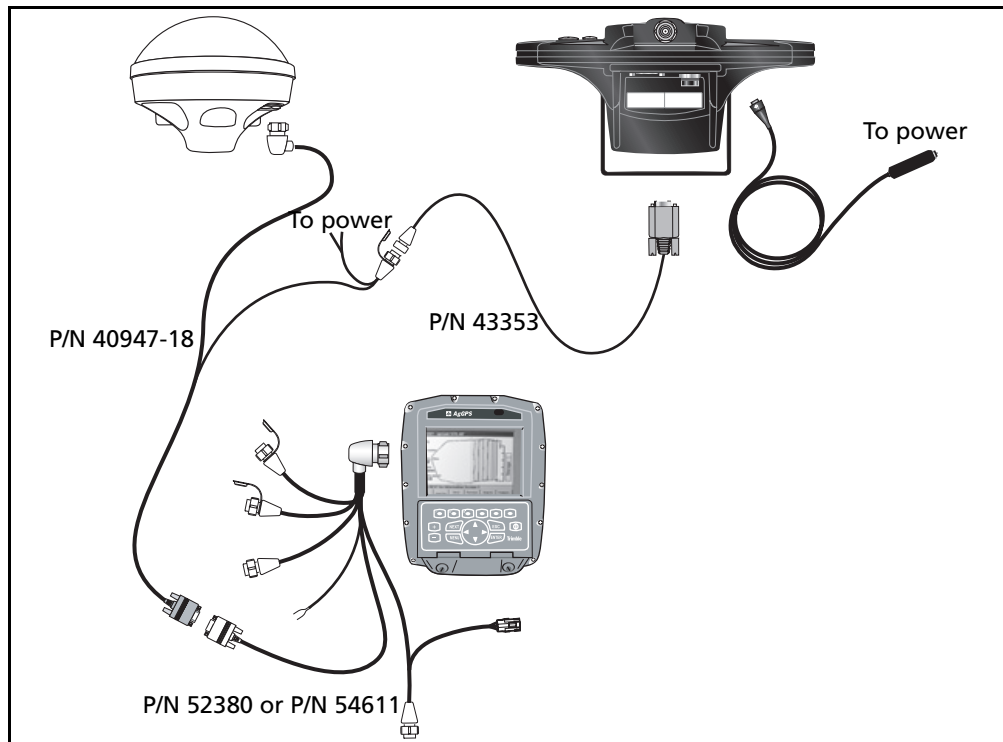


With remote control

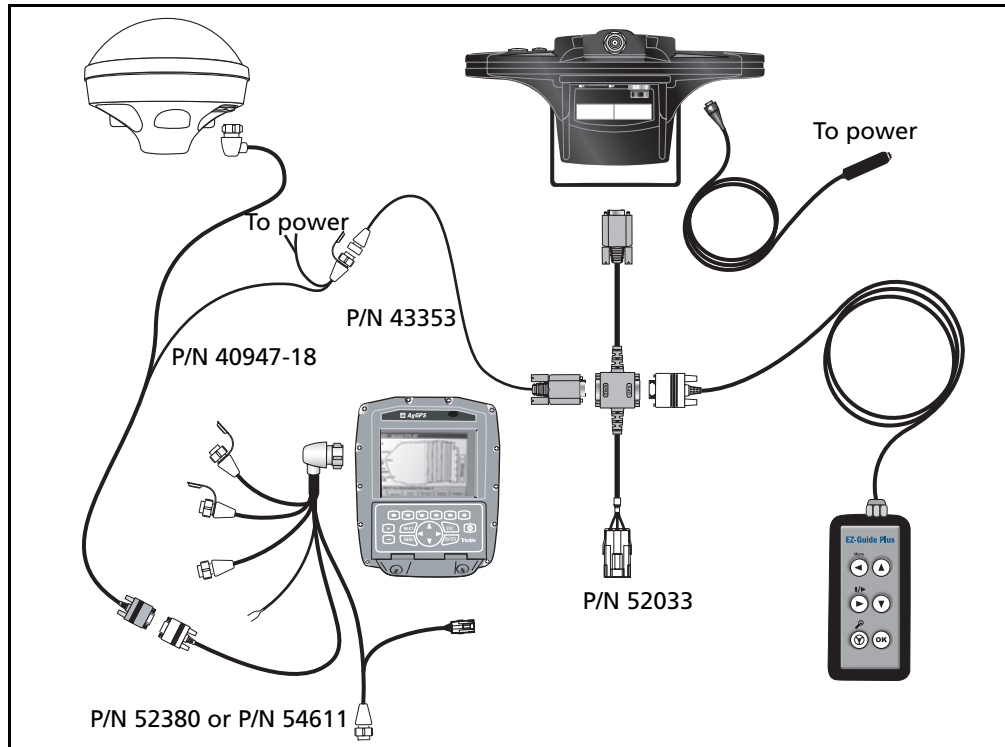


AgGPS 114 GPS Receiver (With 40947-18 Cable) and AgGPS 170 Field Computer

Without remote control

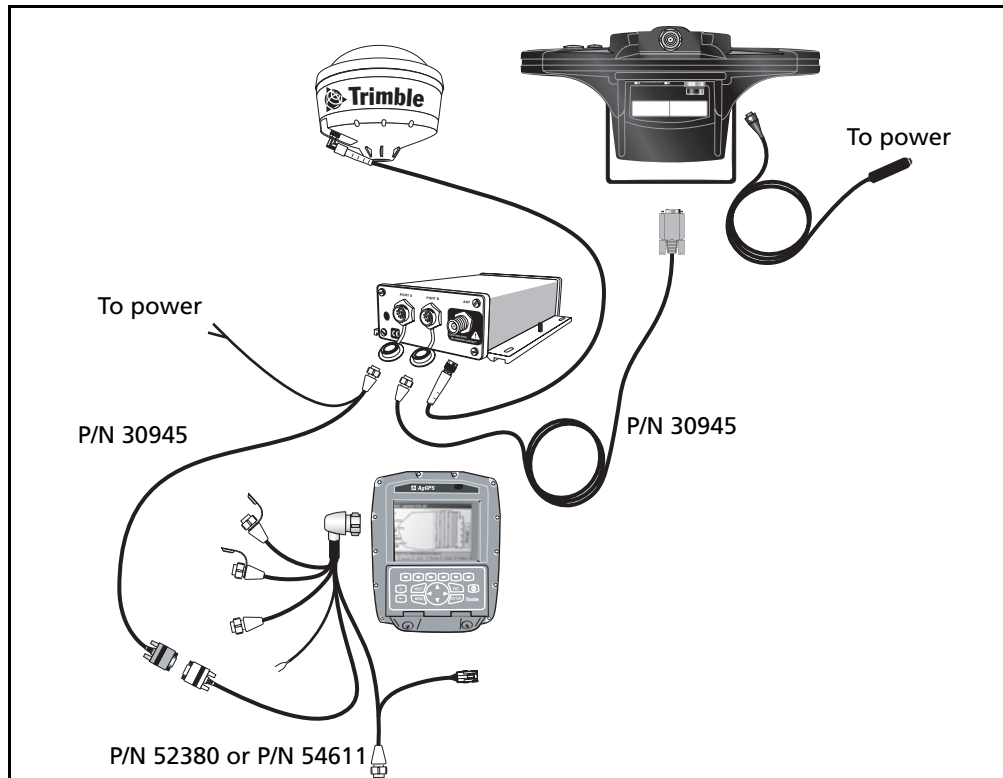


With remote control

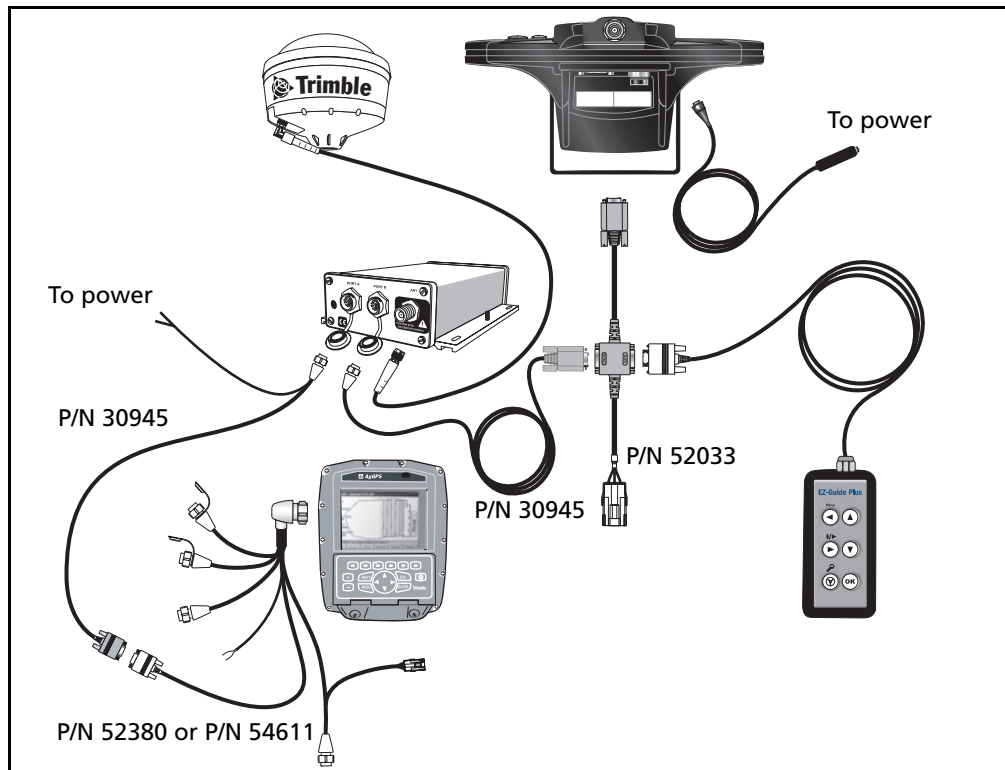


AgGPS 124/132 GPS Receiver and AgGPS 170 Field Computer

Without remote control

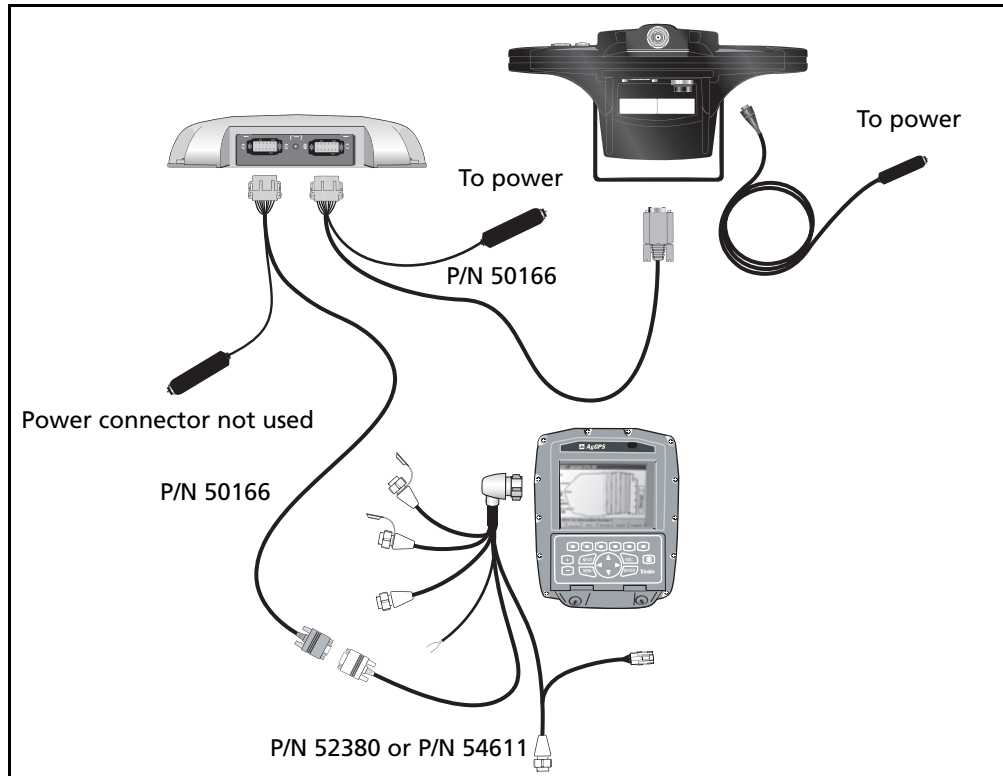


With remote control



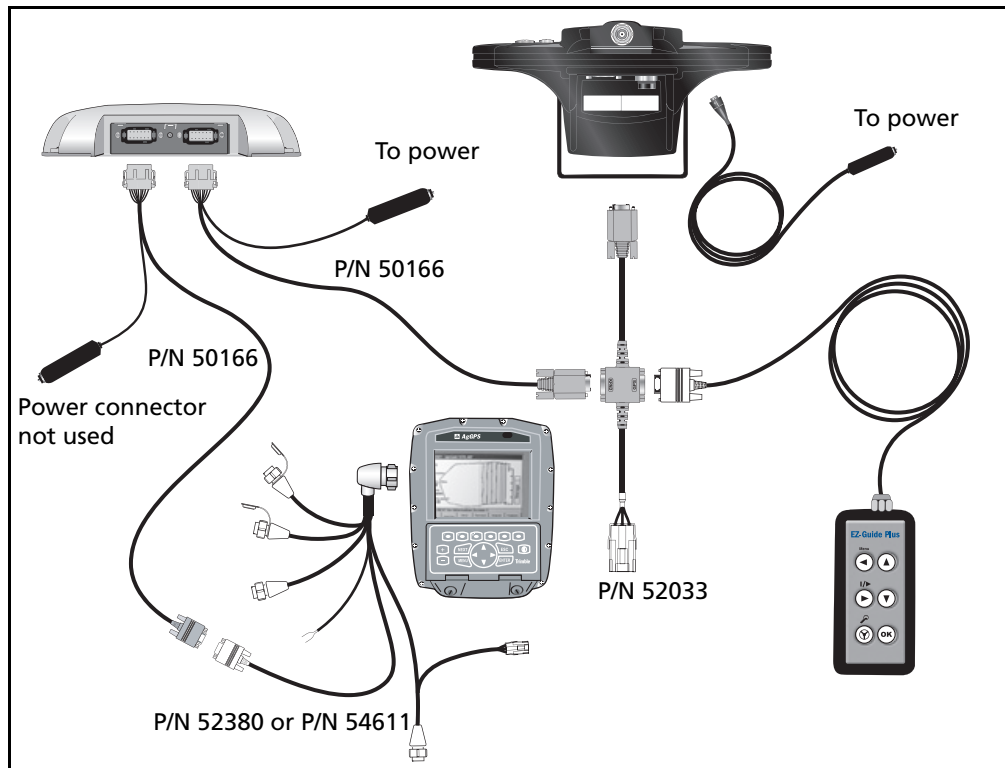
AgGPS 252 GPS Receiver and AgGPS 170 Field Computer

Without remote control



Note – Cover (insulate) the unused power connector to avoid a short circuit.

With remote control

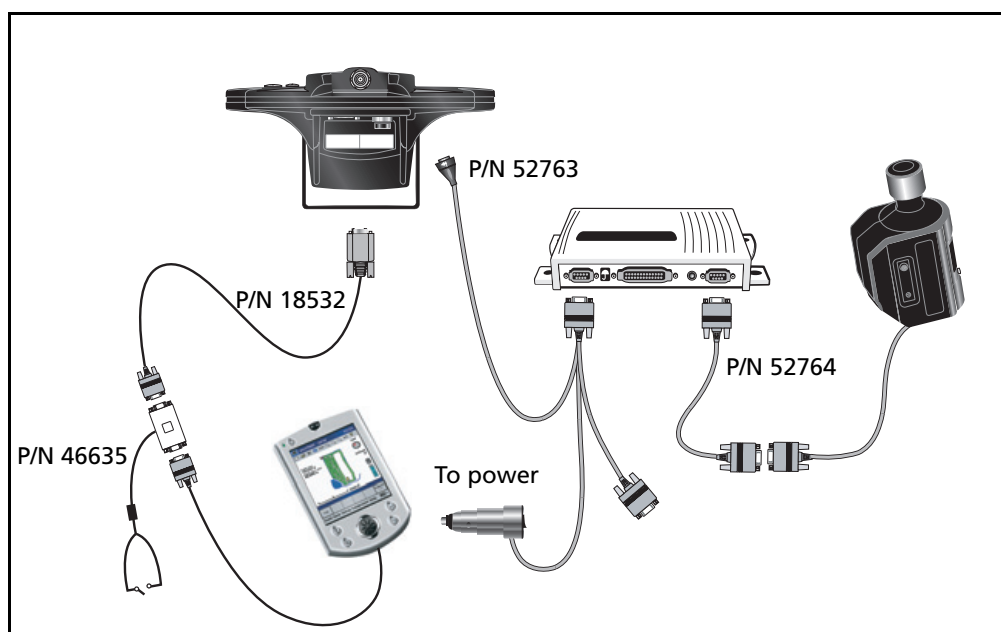


Note – Cover (insulate) the unused power connector to avoid a short circuit.

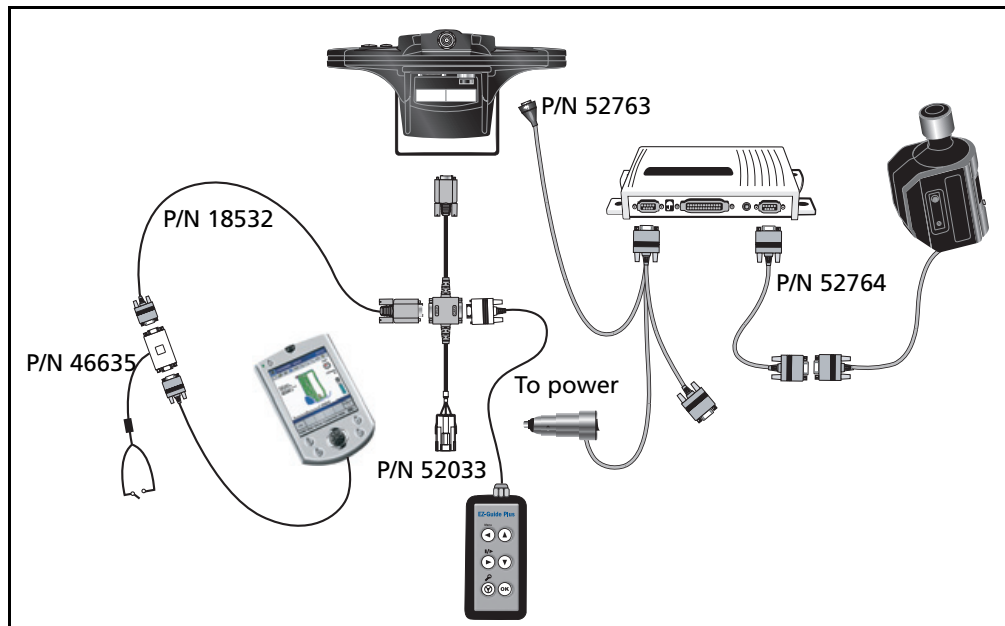
Steering and Mapping

EZ-Steer Assisted Steering System and AgGPS EZ-Map Software

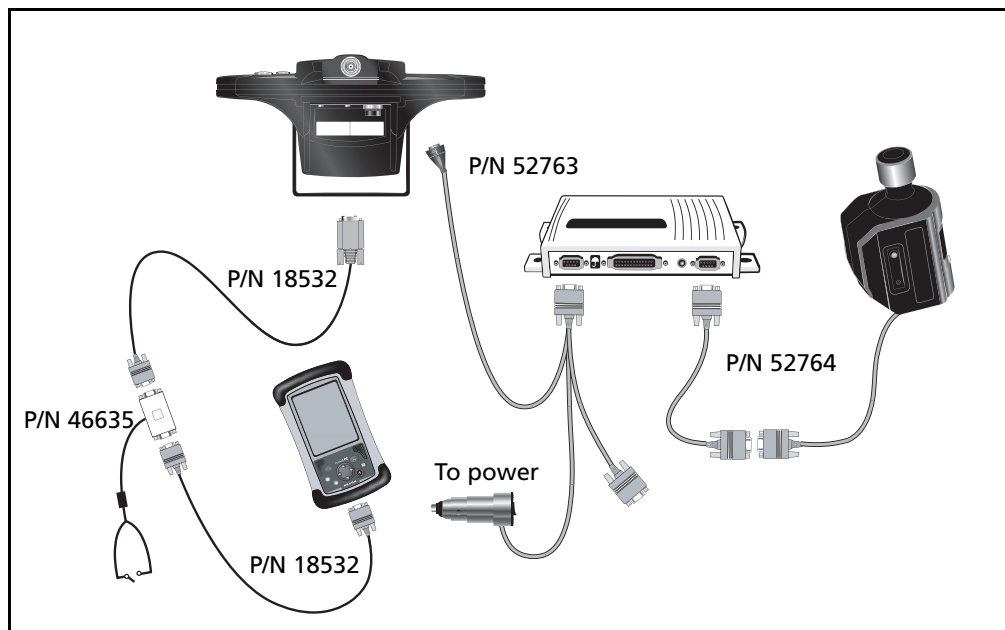
Pocket PC without remote control



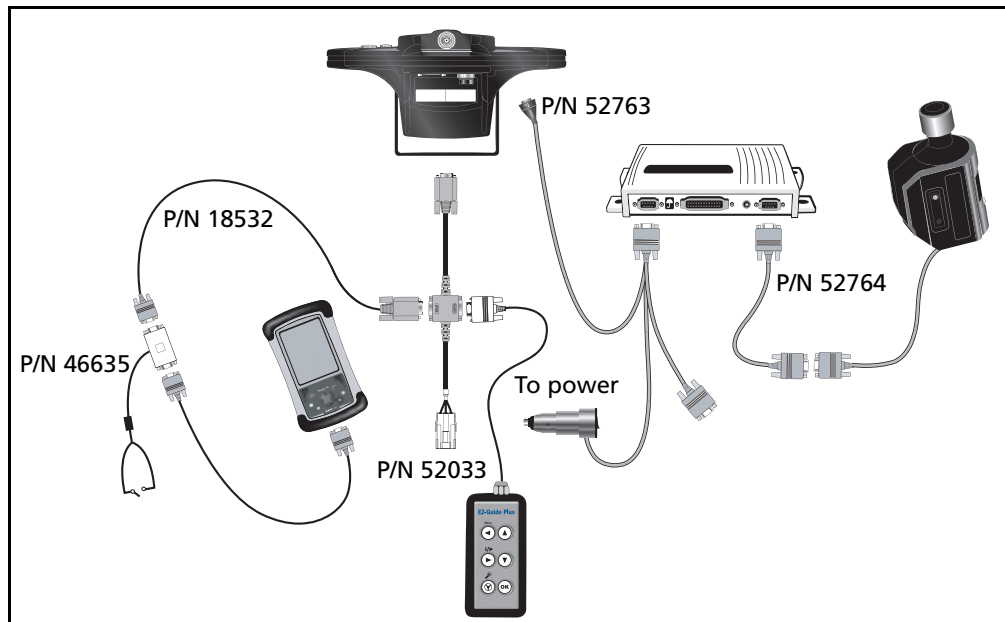
Pocket PC with remote control



AgGPS Recon handheld without remote control

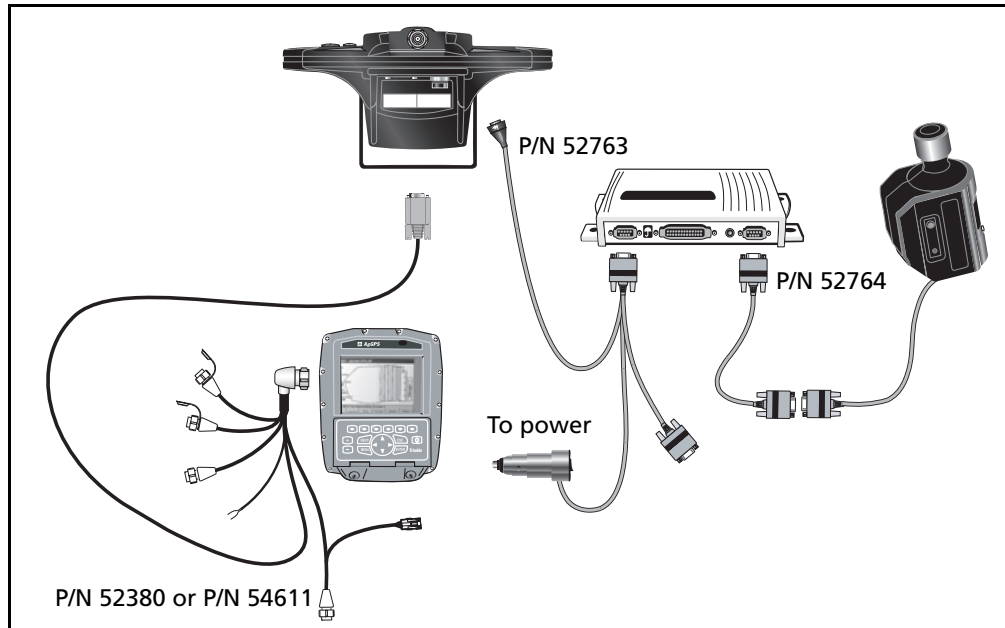


AgGPS Recon handheld with remote control

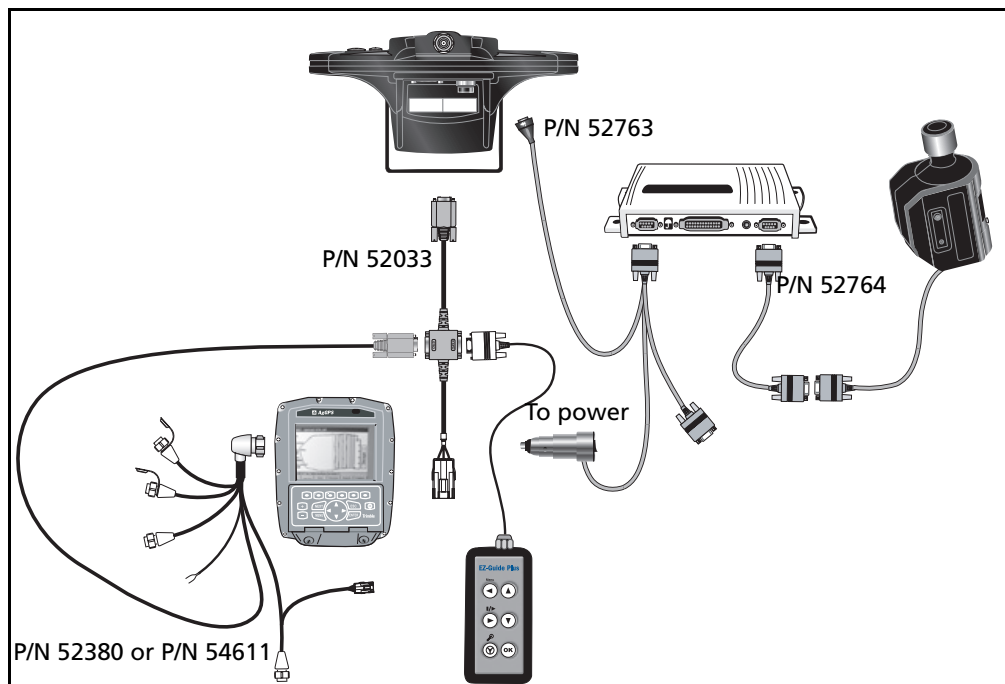


EZ-Steer Assisted Steering System and AgGPS 170 Field Computer

Without remote control

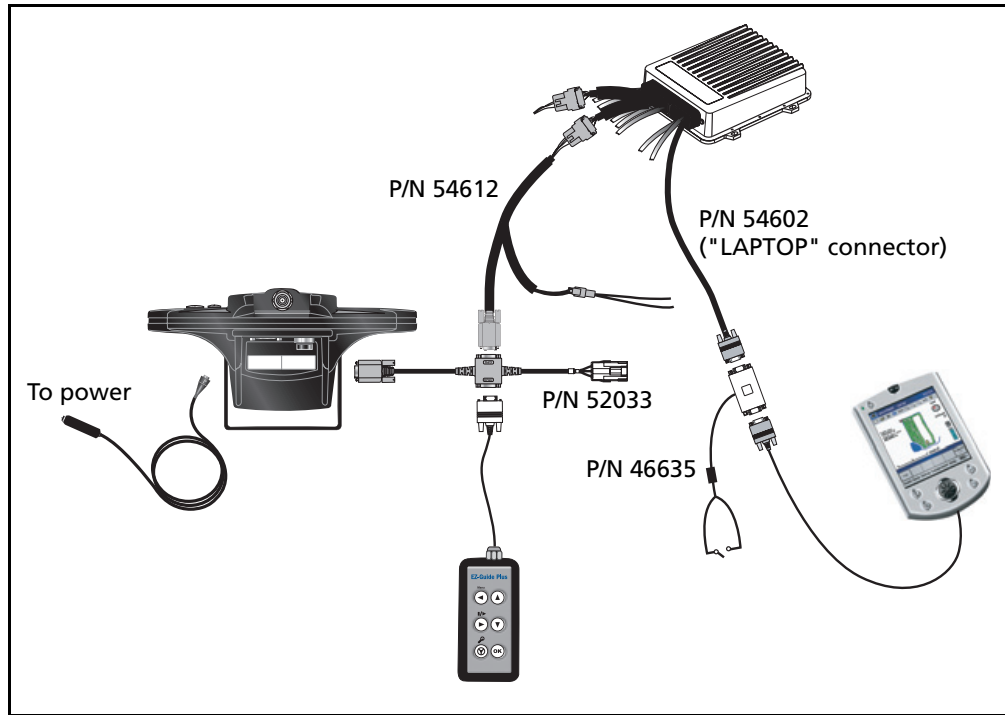


With remote control

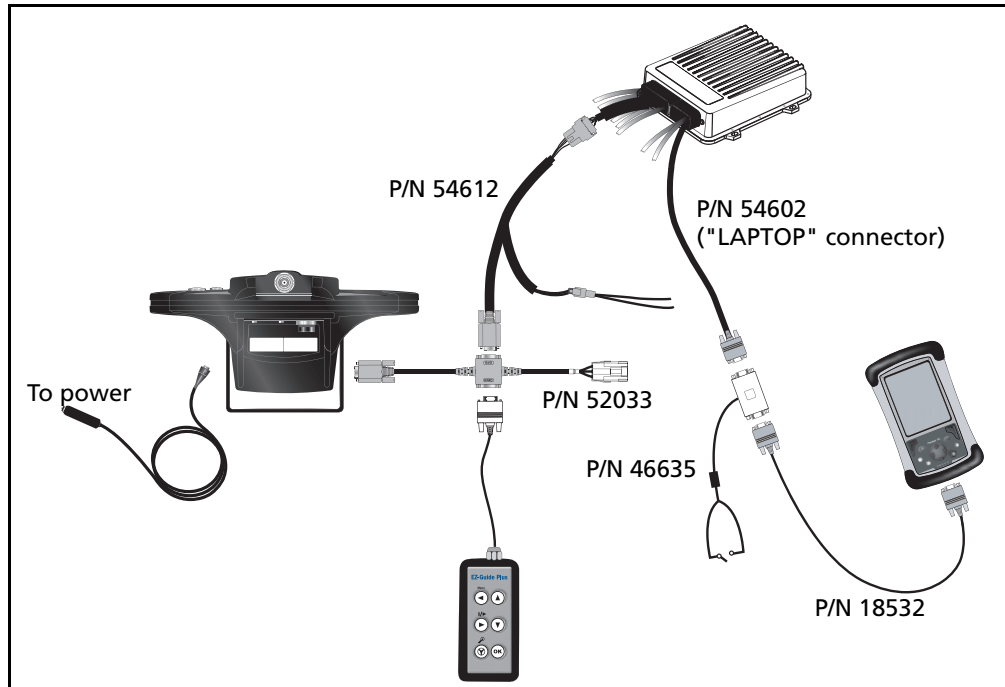


AgGPS Autopilot Automated Steering System and AgGPS EZ-Map Software

Pocket PC



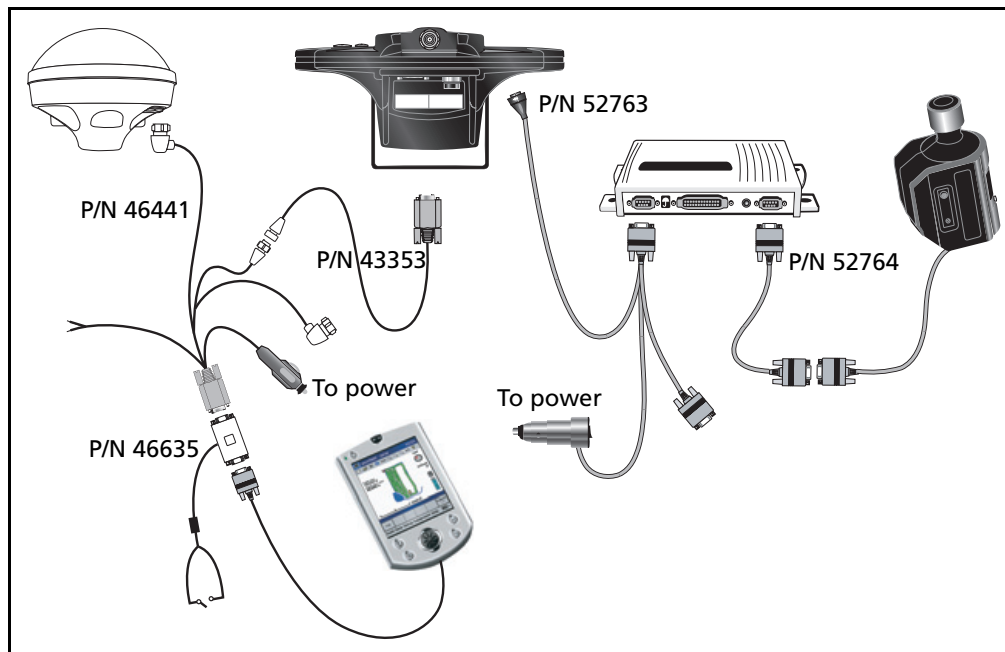
AgGPS Recon handheld



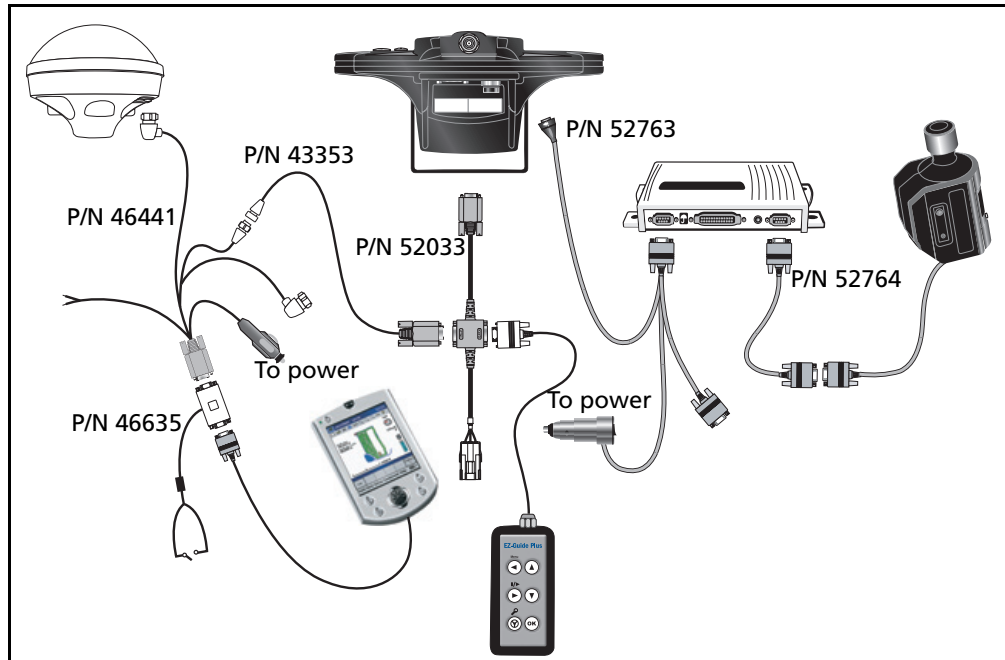
Receivers and Steering and Mapping

AgGPS 110 GPS Receiver (With EZ-Guide SL Cable), EZ-Steer Assisted Steering System, and AgGPS EZ-Map Software

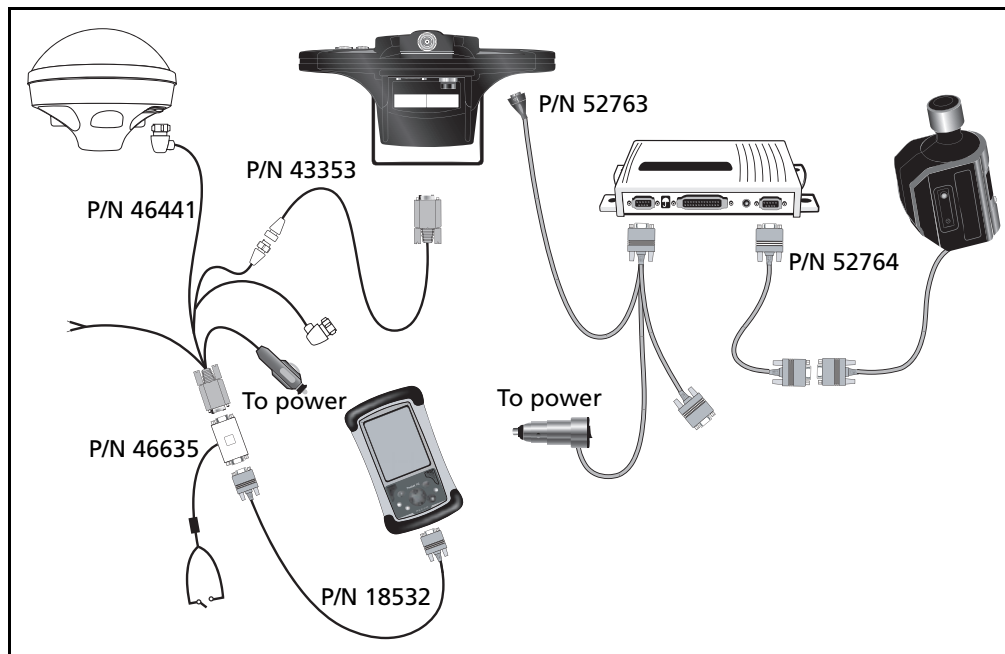
Pocket PC without remote control



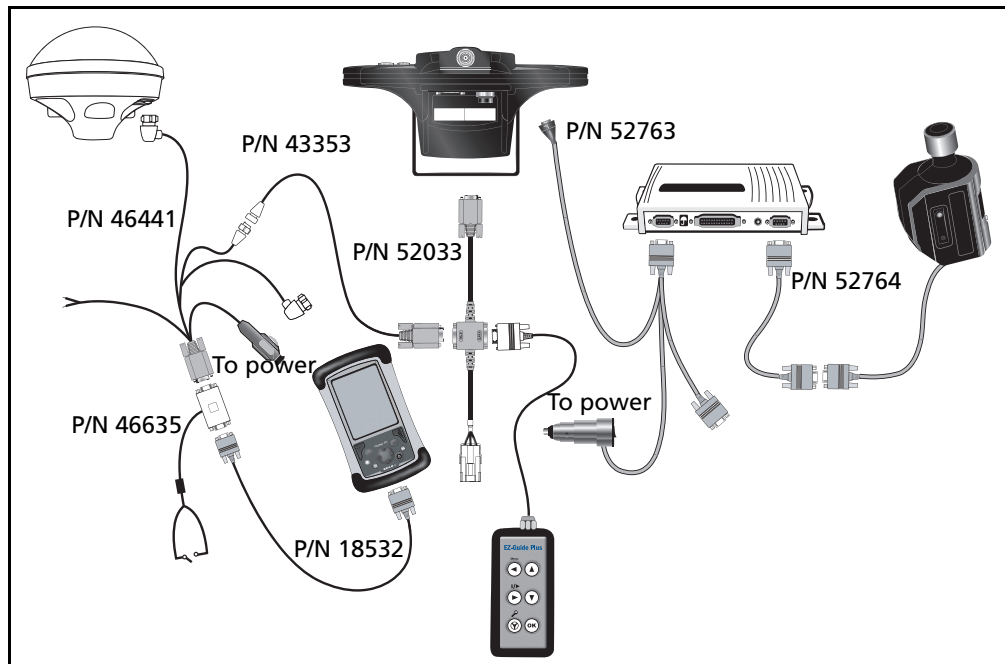
Pocket PC with remote control



AgGPS Recon handheld without remote control

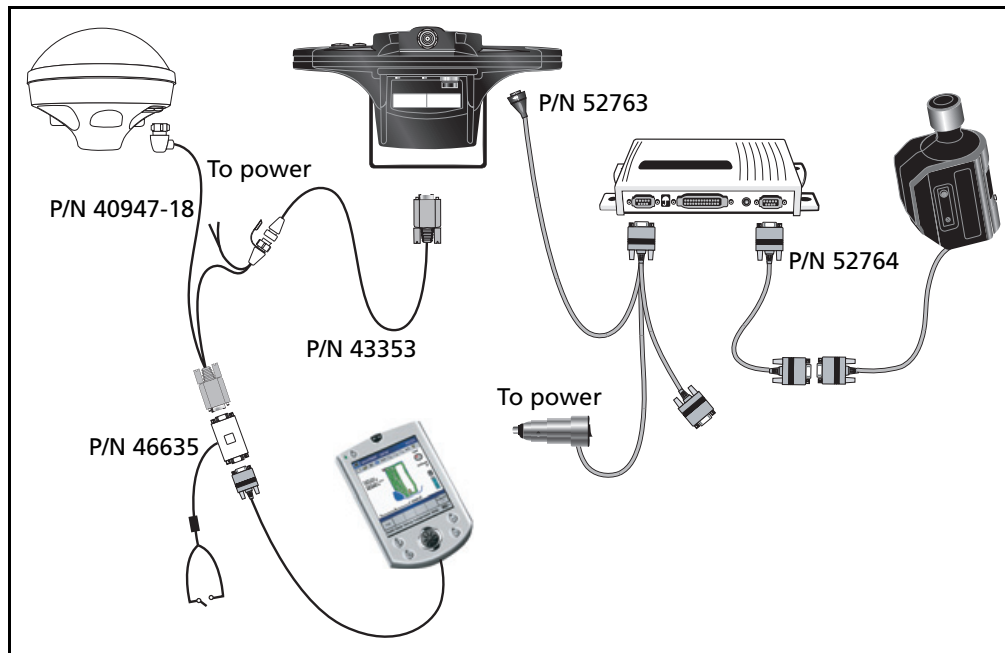


AgGPS Recon handheld with remote control

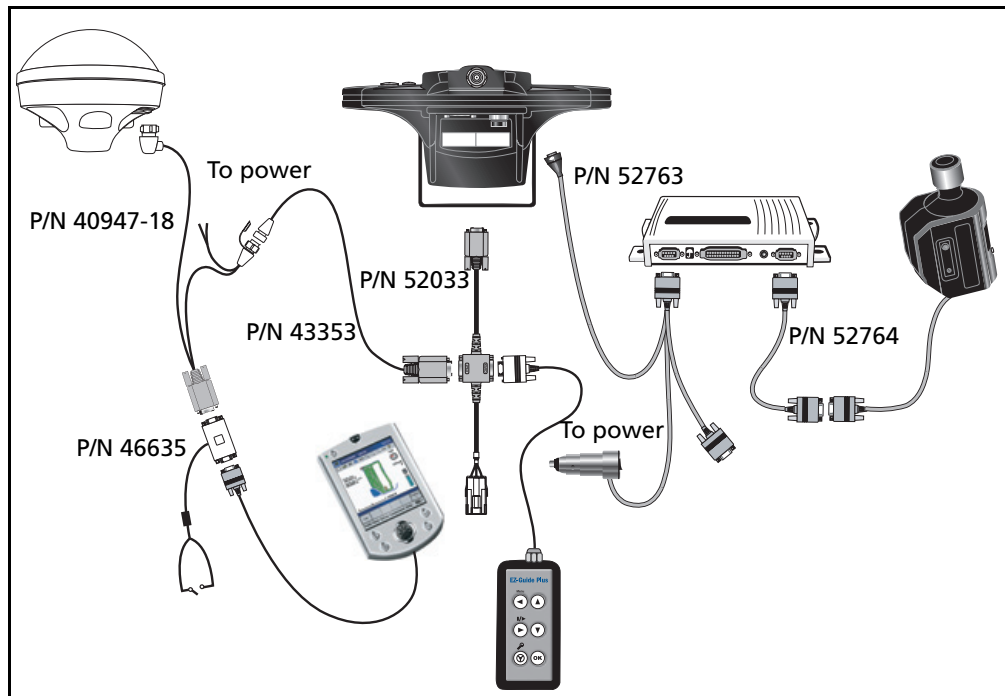


AgGPS 114 GPS Receiver (With 40947-18 Cable), EZ-Steer Assisted Steering System, and AgGPS EZ-Map Software

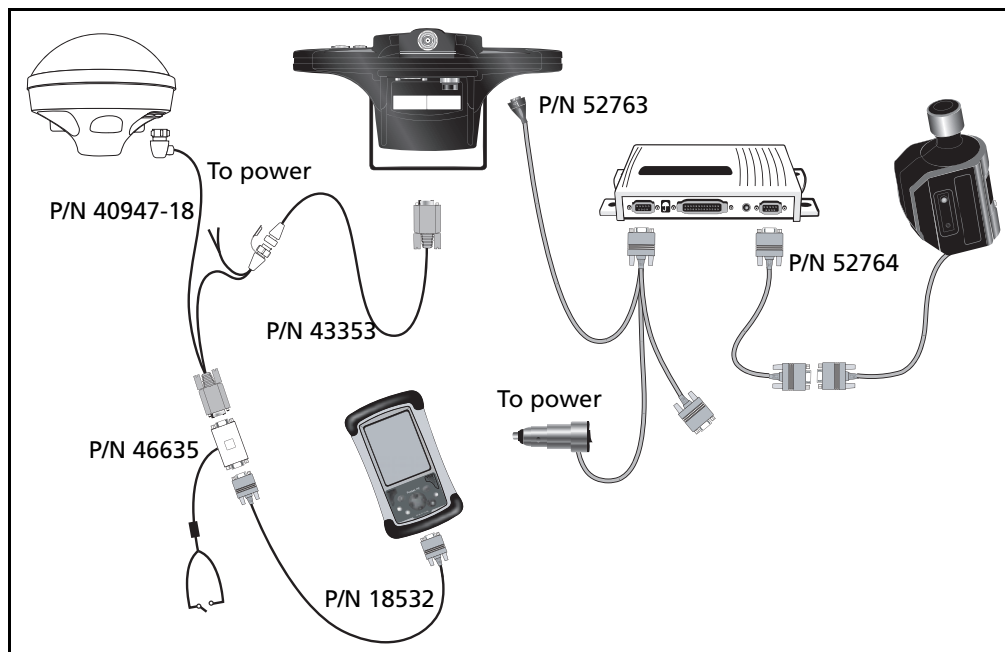
Pocket PC without remote control



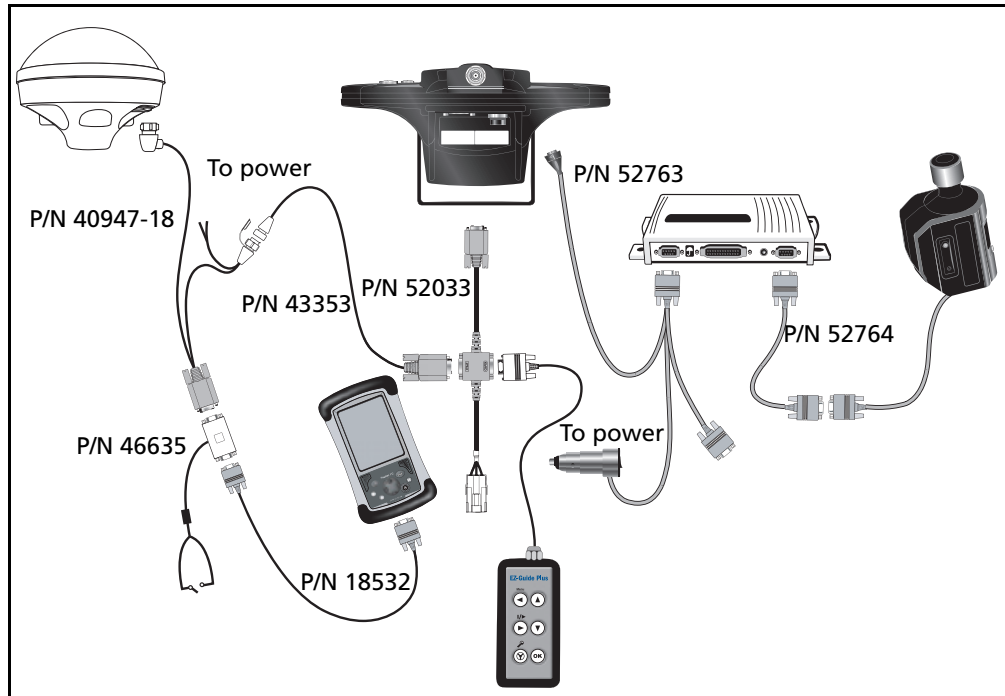
Pocket PC with remote control



AgGPS Recon handheld without remote control

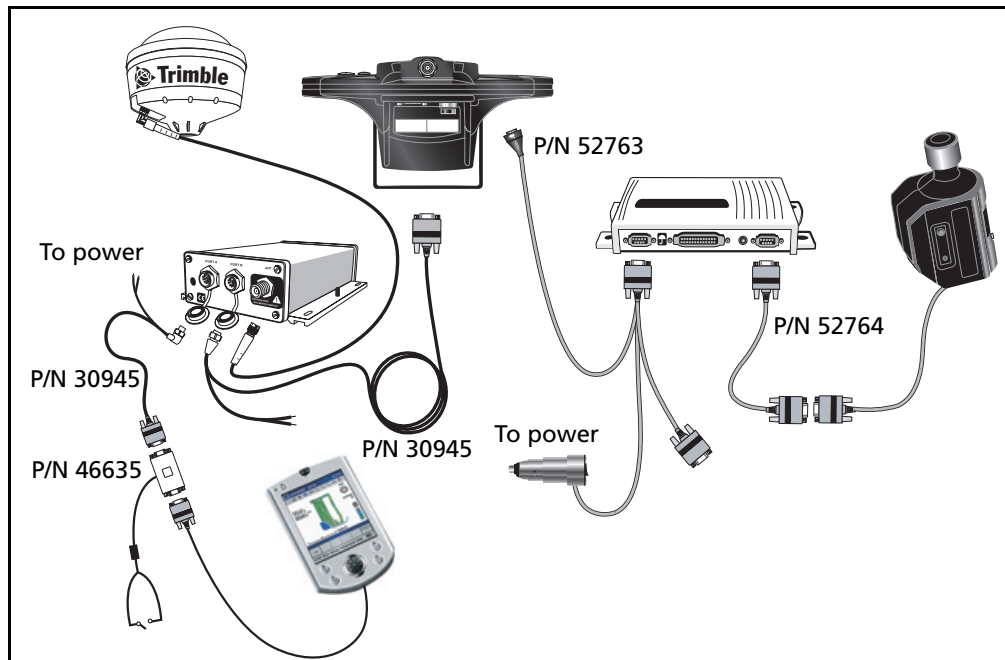


AgGPS Recon handheld with remote control

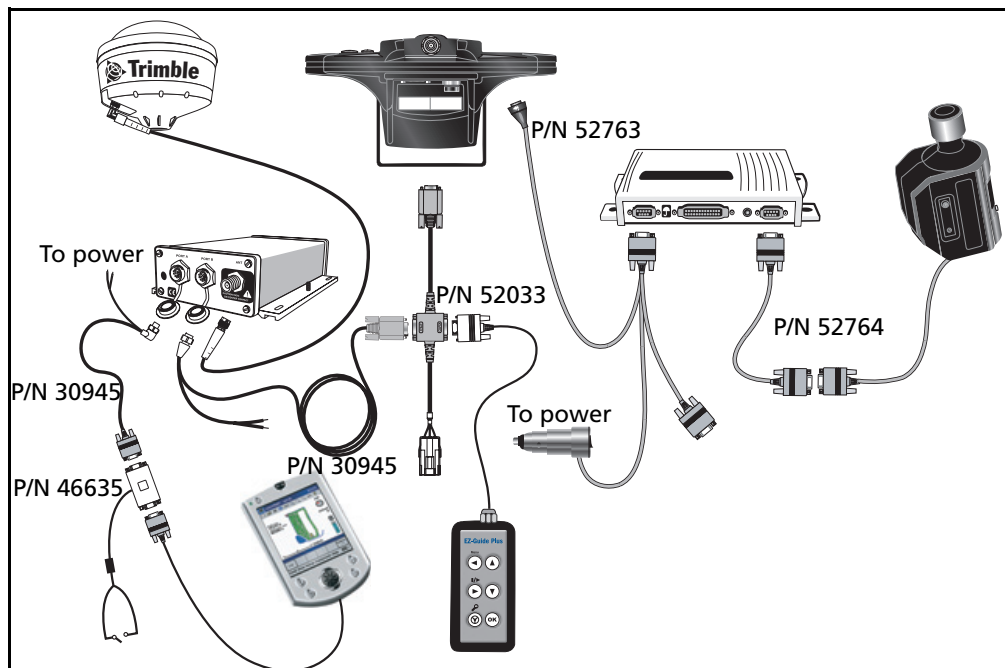


AgGPS 124/132 GPS Receiver, EZ-Steer Assisted Steering System, and AgGPS EZ-Map Software

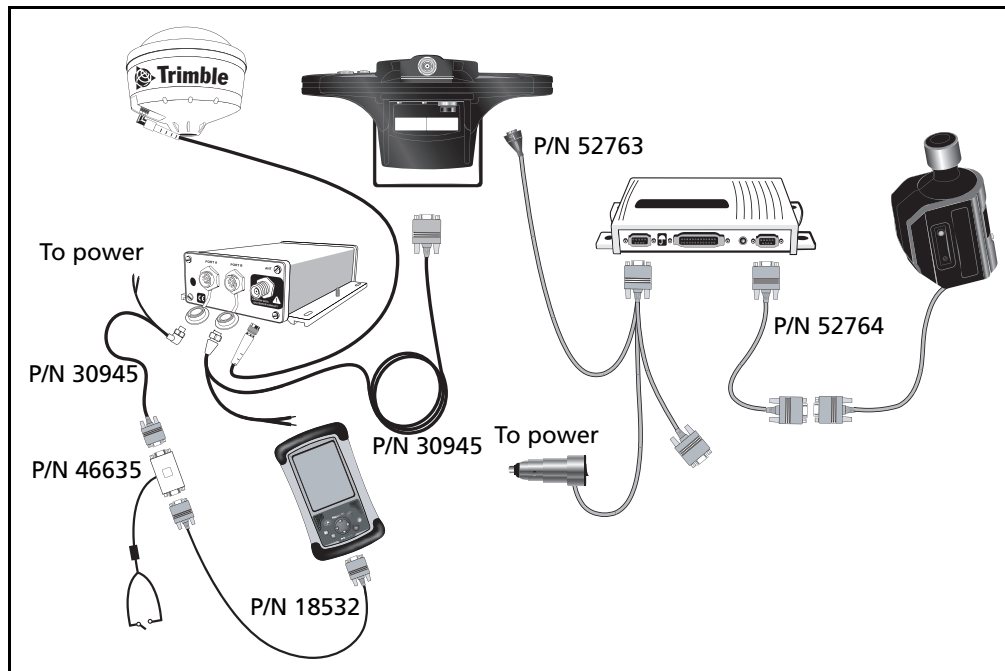
Pocket PC without remote control



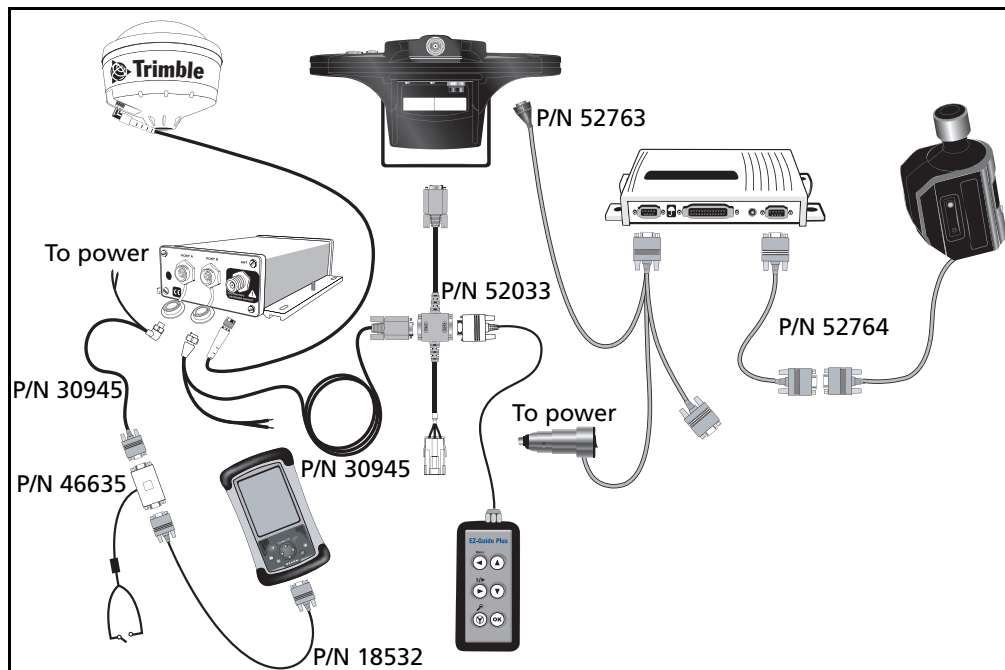
Pocket PC with remote control



AgGPS Recon handheld without remote control

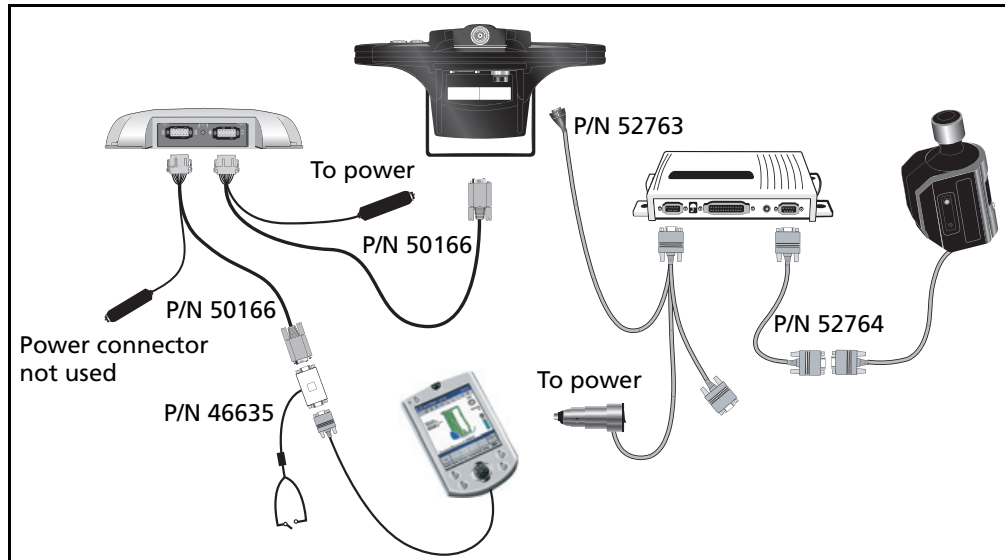


AgGPS Recon handheld with remote control



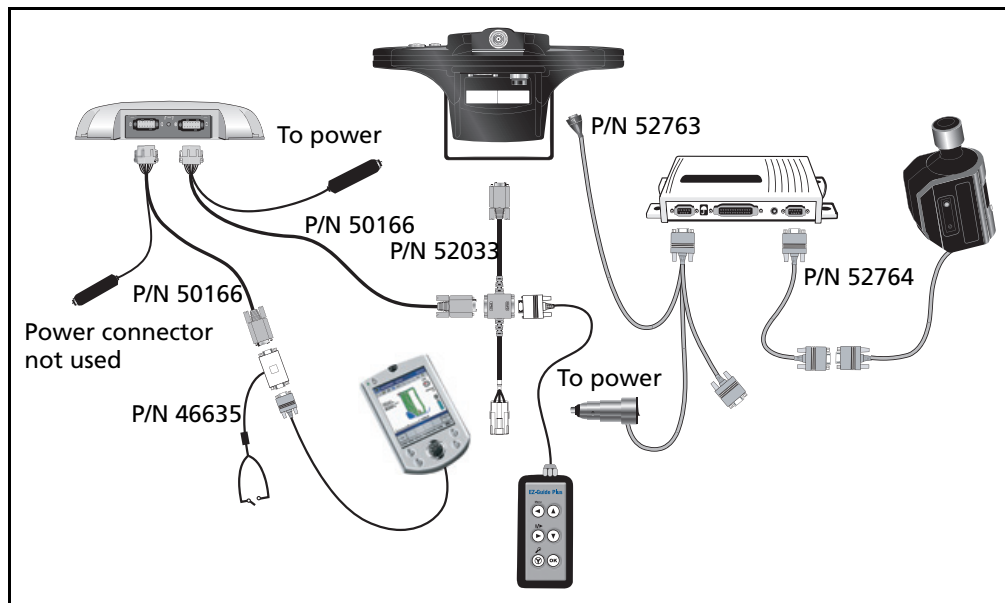
AgGPS 252 GPS Receiver, EZ-Steer Assisted Steering System, and AgGPS EZ-Map Software

Pocket PC without remote control



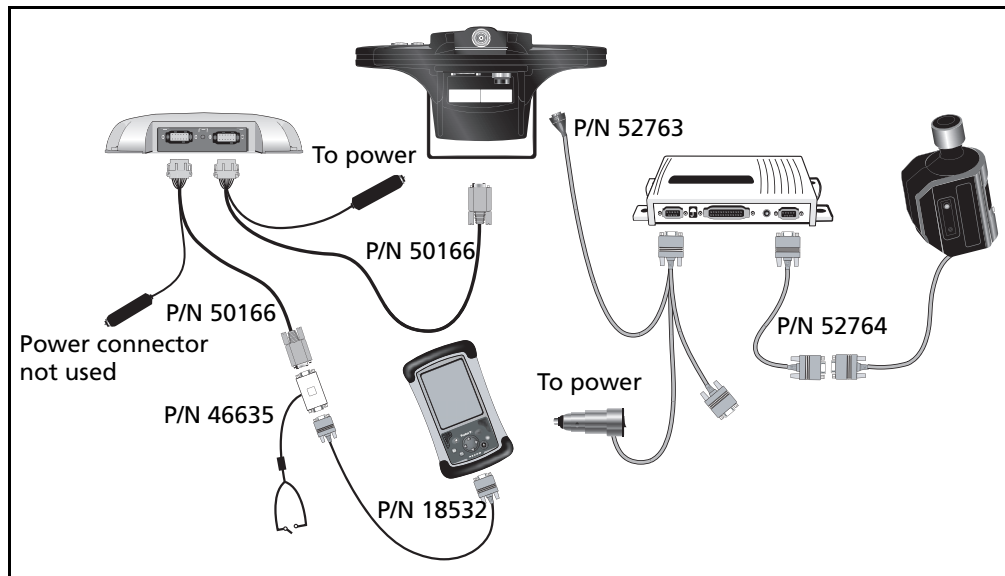
Note – Cover (insulate) the unused power connector to avoid a short circuit.

Pocket PC with remote control



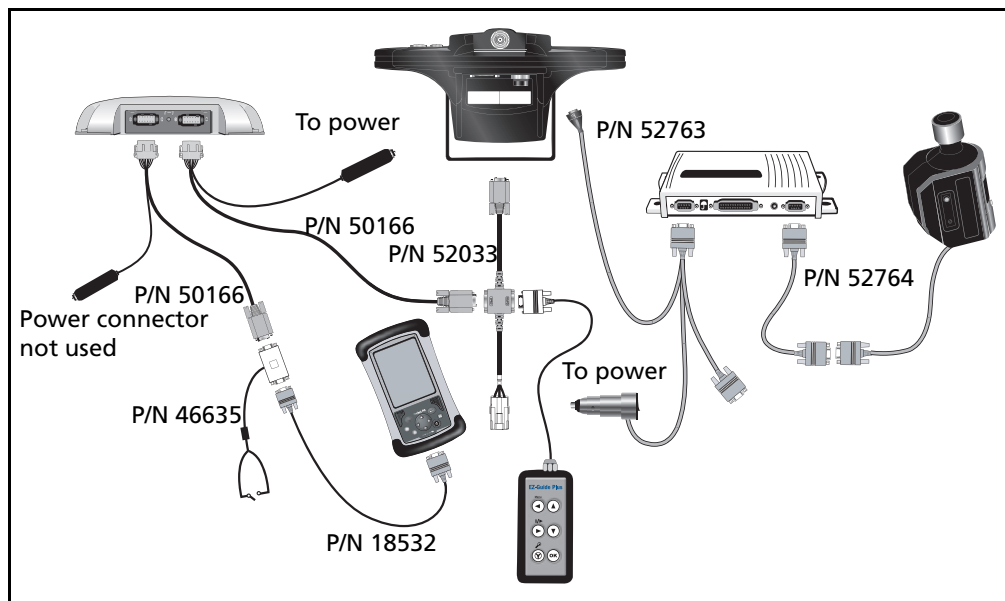
Note – Cover (insulate) the unused power connector to avoid a short circuit.

AgGPS Recon handheld without remote control



Note – Cover (insulate) the unused power connector to avoid a short circuit.

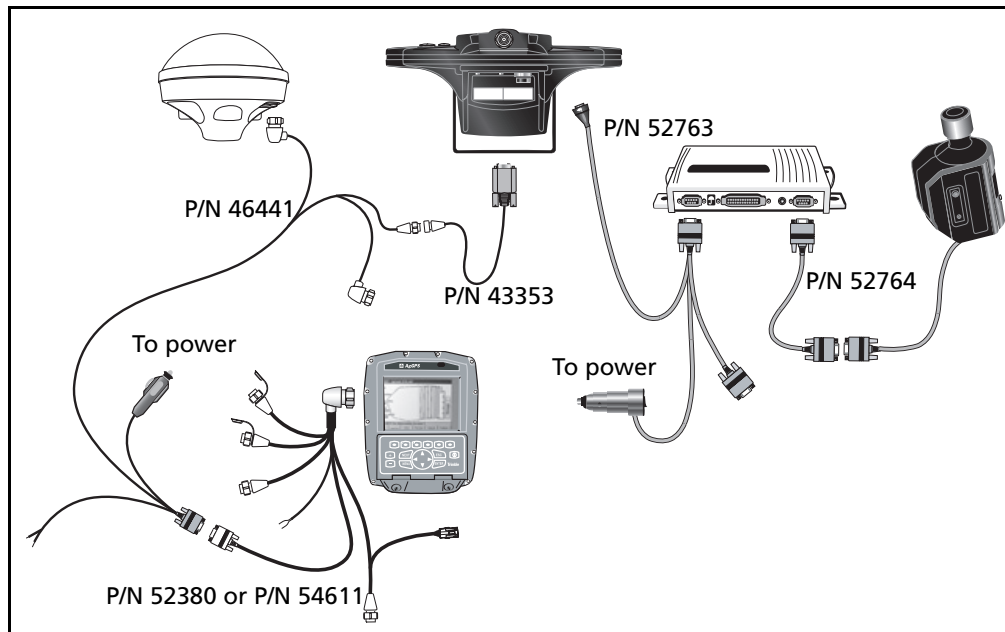
AgGPS Recon handheld with remote control



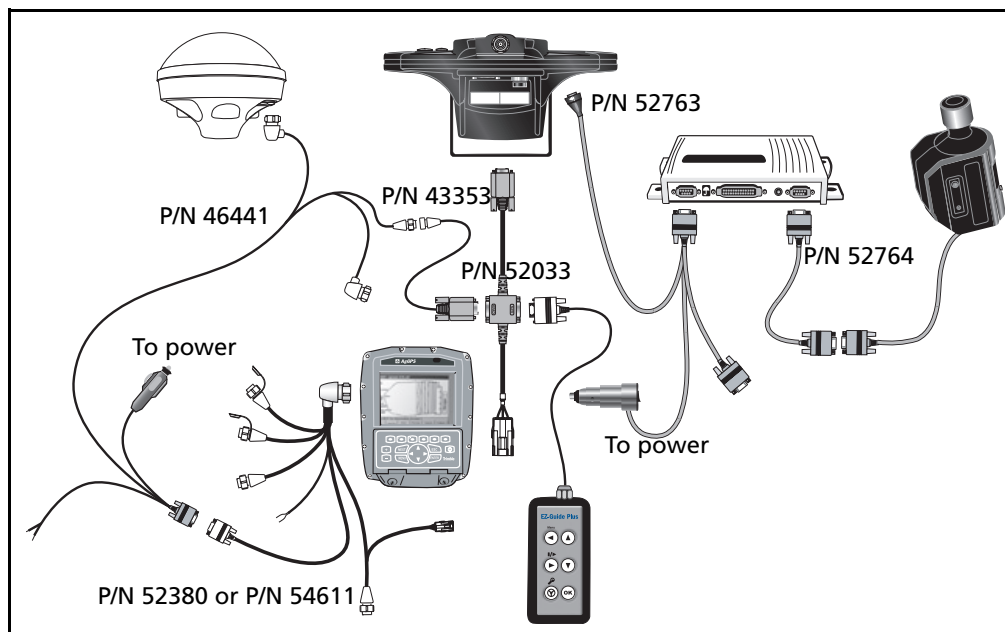
Note – Cover (insulate) the unused power connector to avoid a short circuit.

AgGPS 110 GPS Receiver (With EZ-Guide SL Cable), EZ-Steer Assisted Steering System, and AgGPS 170 Field Computer

Without remote control

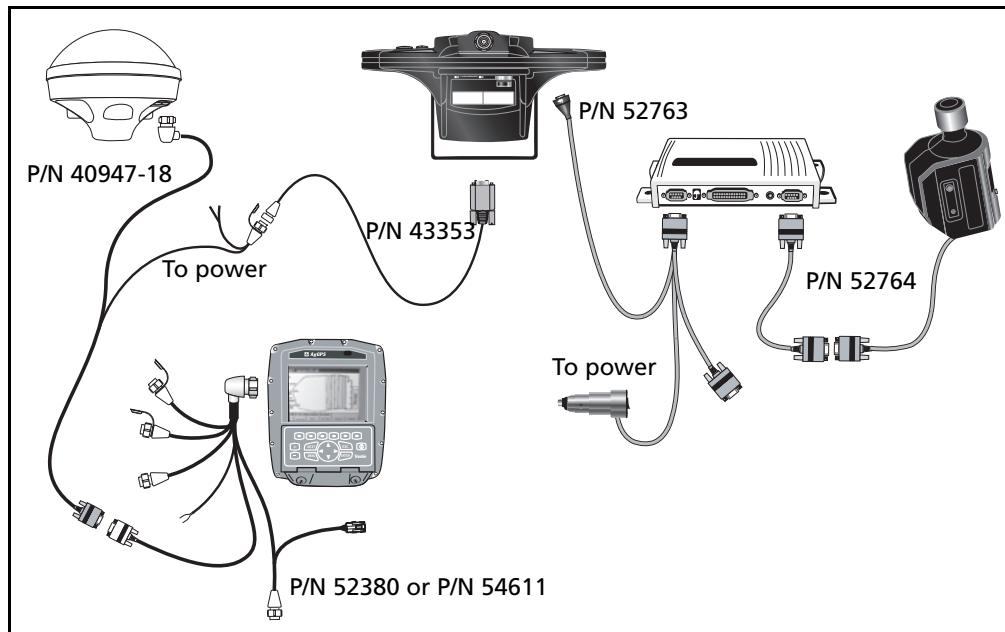


With remote control

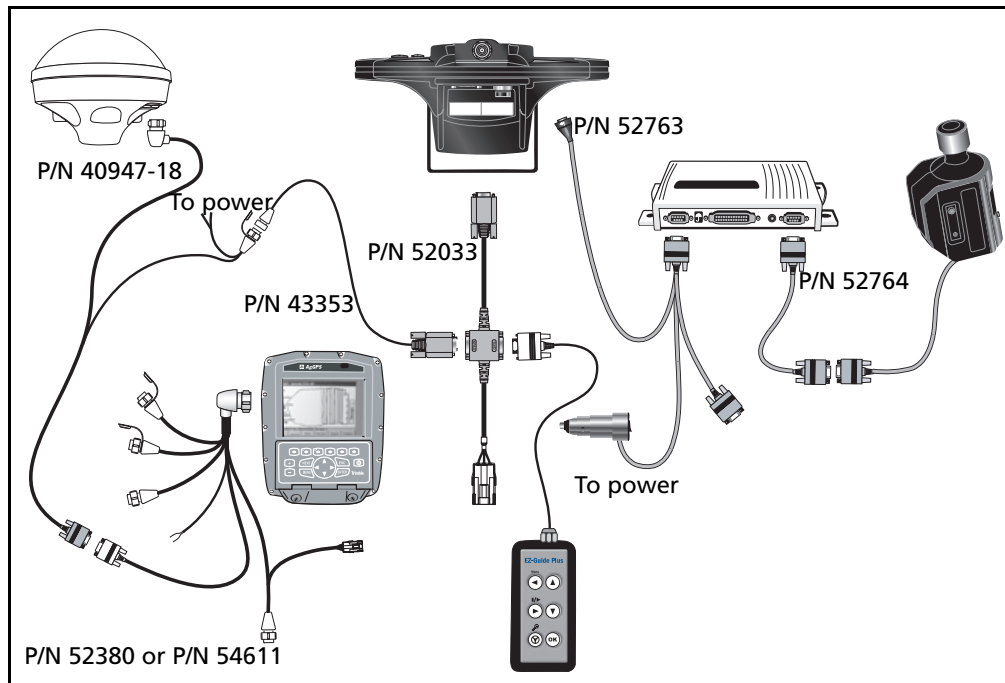


AgGPS 114 GPS Receiver (With 40947-18 Cable), EZ-Steer Assisted Steering System, and AgGPS 170 Field Computer

Without remote control

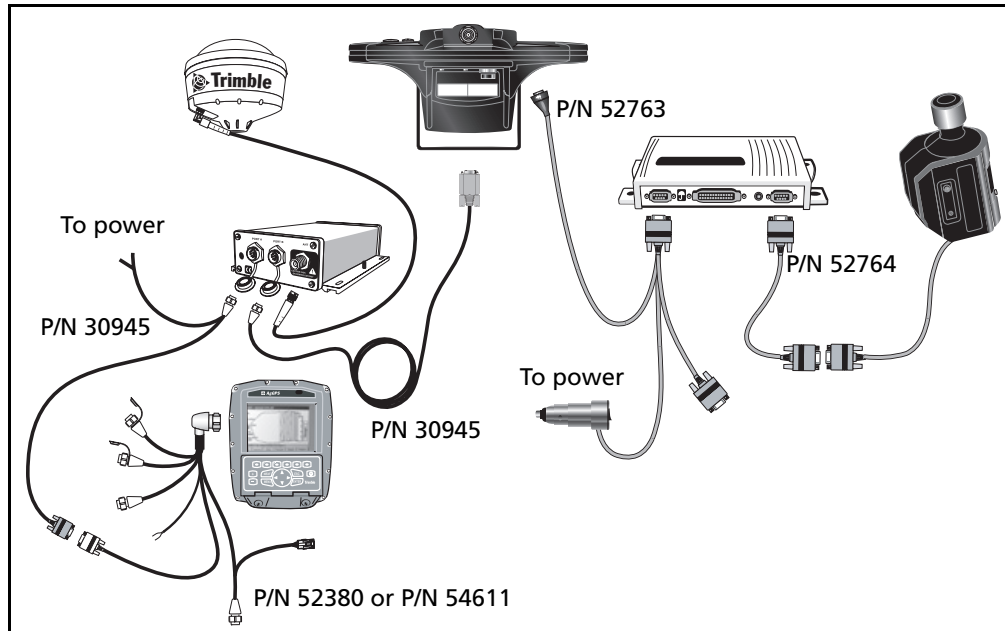


With remote control

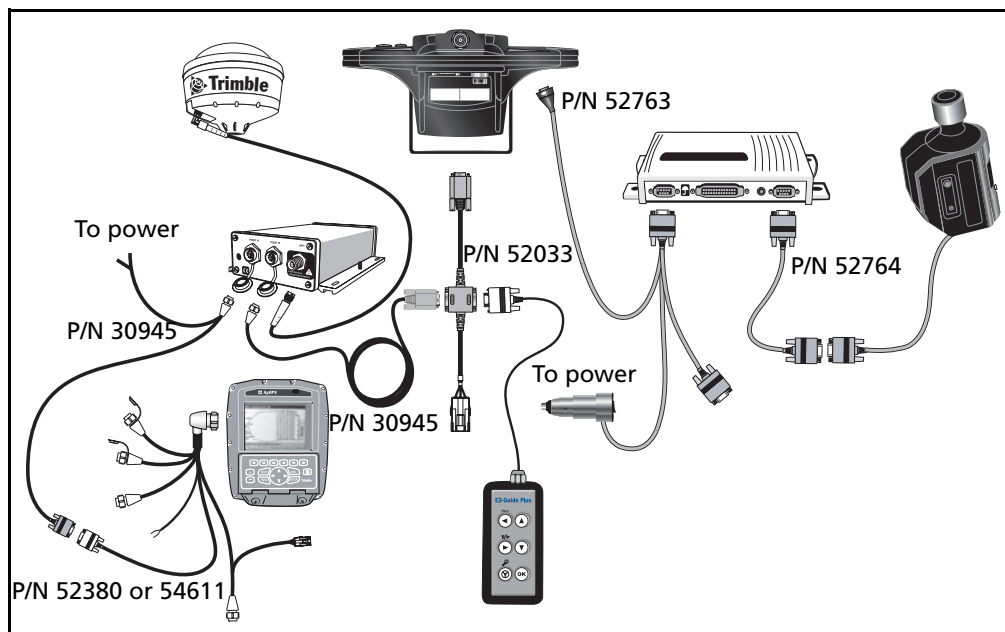


AgGPS 124/132 GPS Receiver, EZ-Steer Assisted Steering System, and AgGPS 170 Field Computer

Without remote control

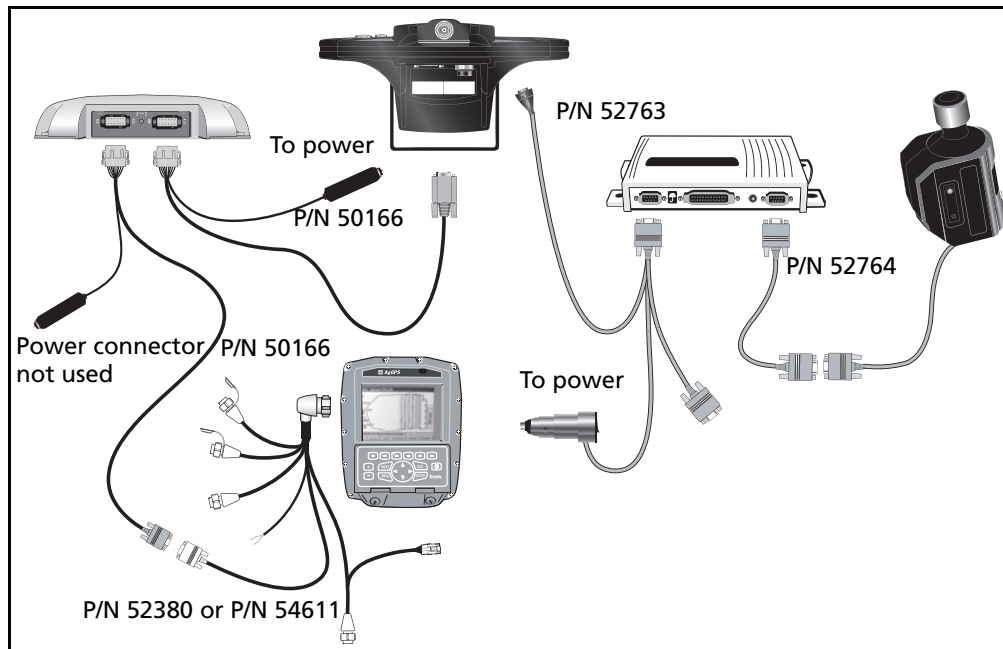


With remote control



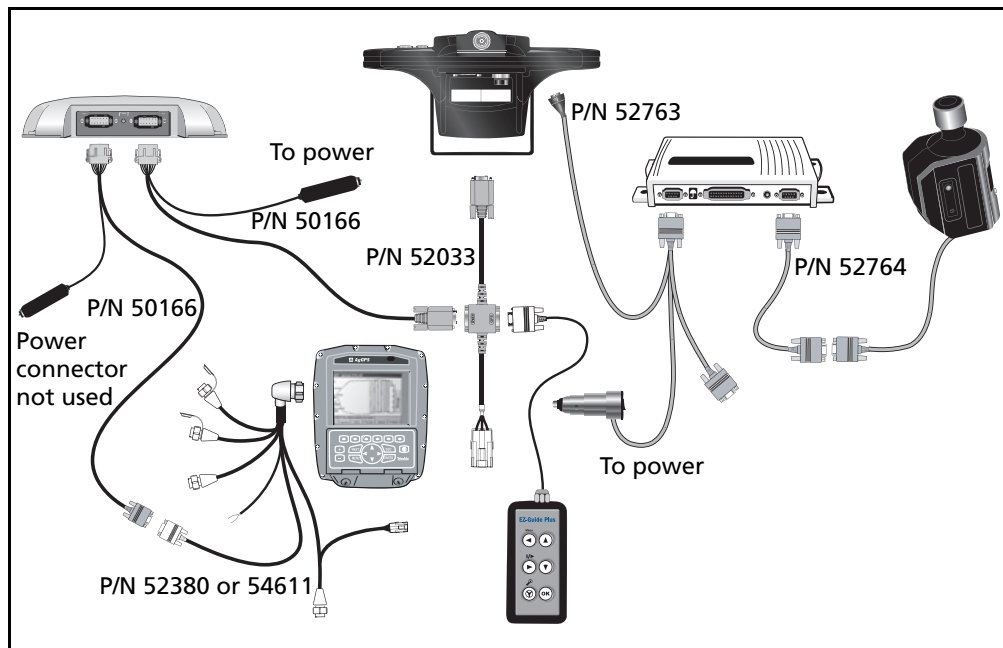
AgGPS 252 GPS Receiver, EZ-Steer Assisted Steering System, and AgGPS 170 Field Computer

Without remote control



Note – Cover (insulate) the unused power connector to avoid a short circuit.

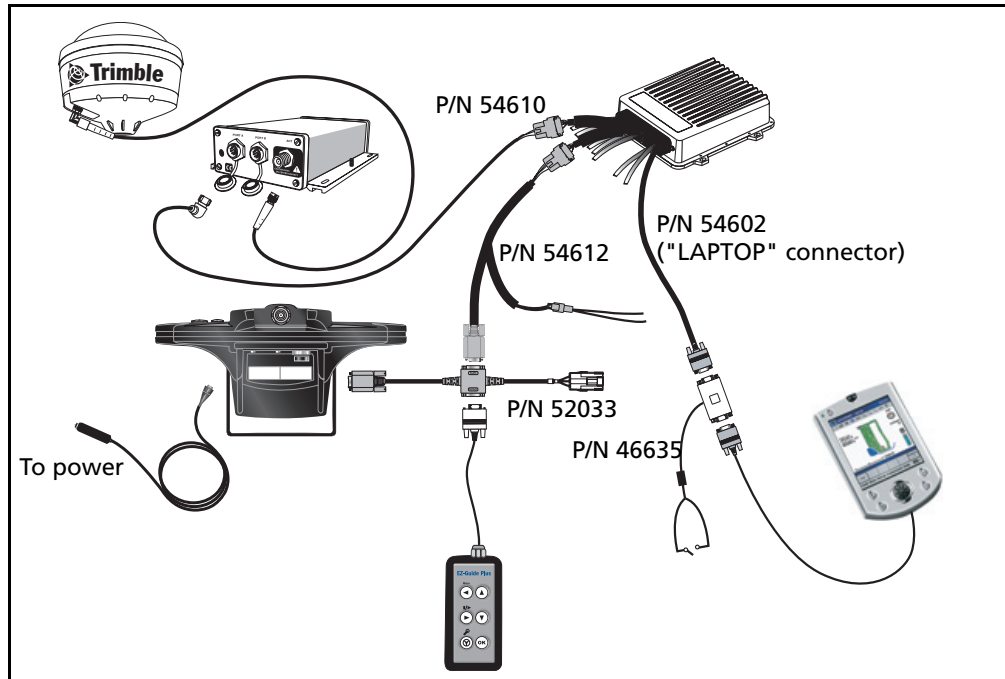
With remote control



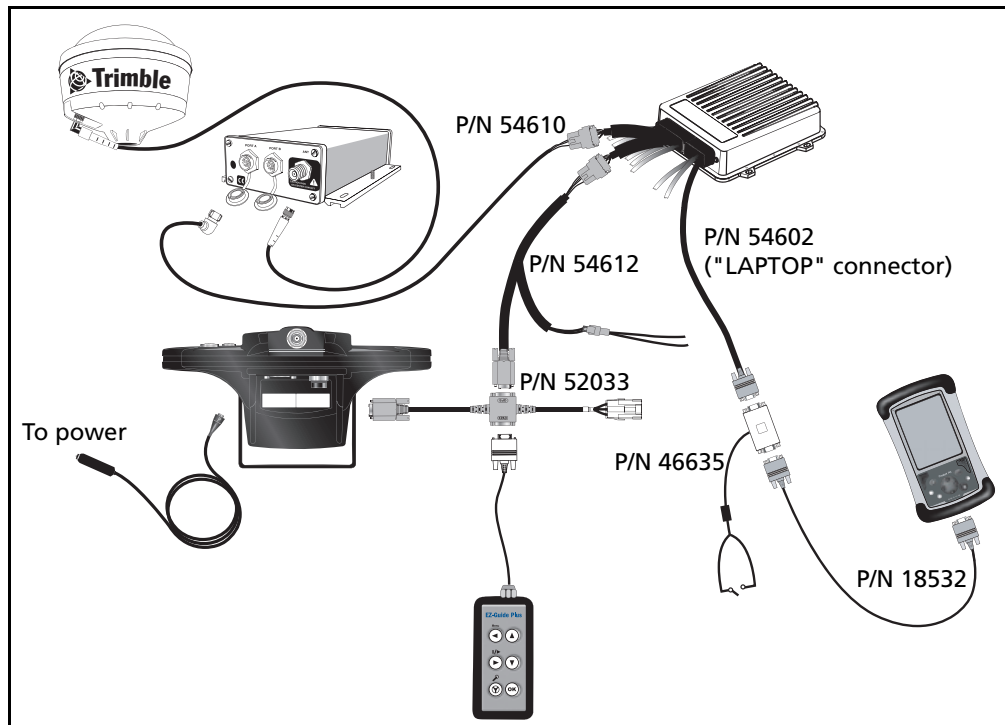
Note – Cover (insulate) the unused power connector to avoid a short circuit.

AgGPS 132 GPS Receiver, AgGPS Autopilot Automated Steering System, and AgGPS EZ-Map Software

Pocket PC

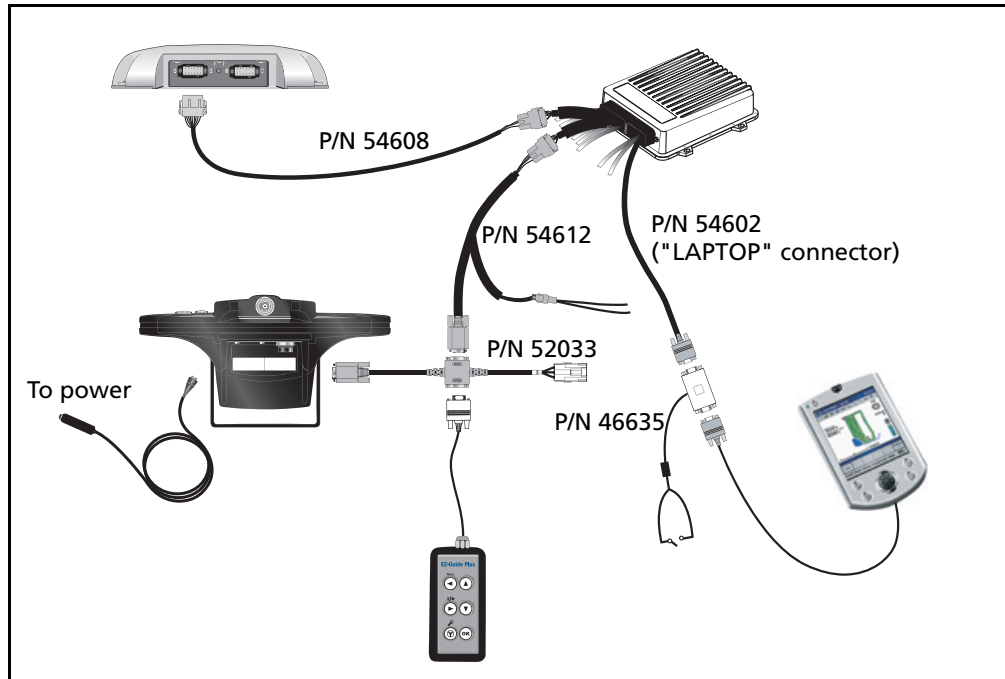


AgGPS Recon handheld

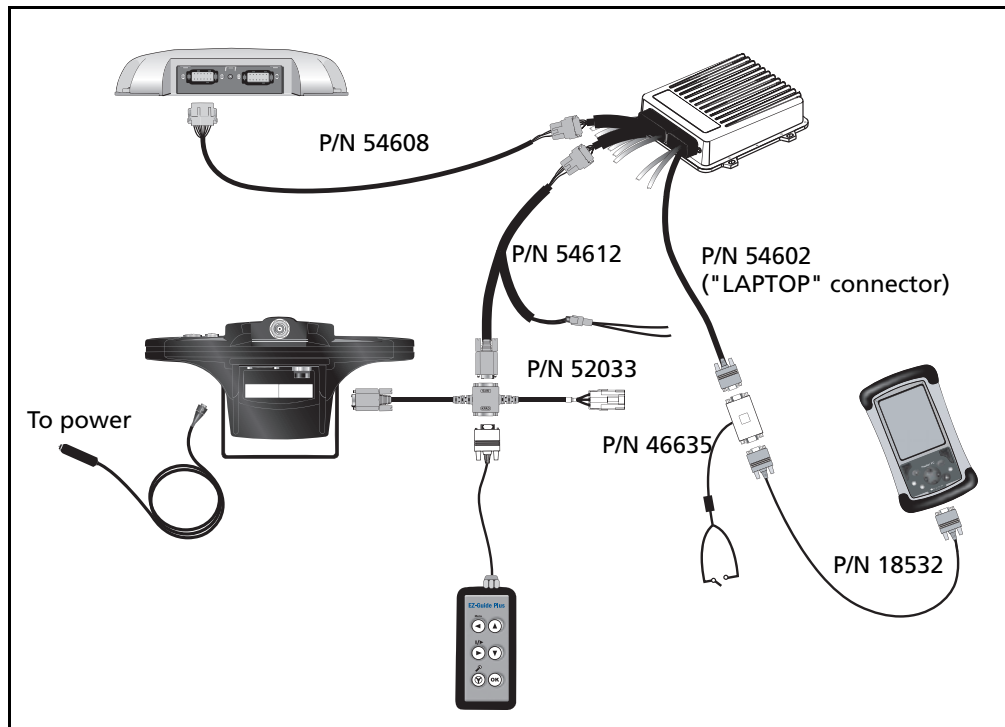


AgGPS 252 GPS Receiver, Autopilot Automated Steering System, and AgGPS EZ-Map Software

Pocket PC



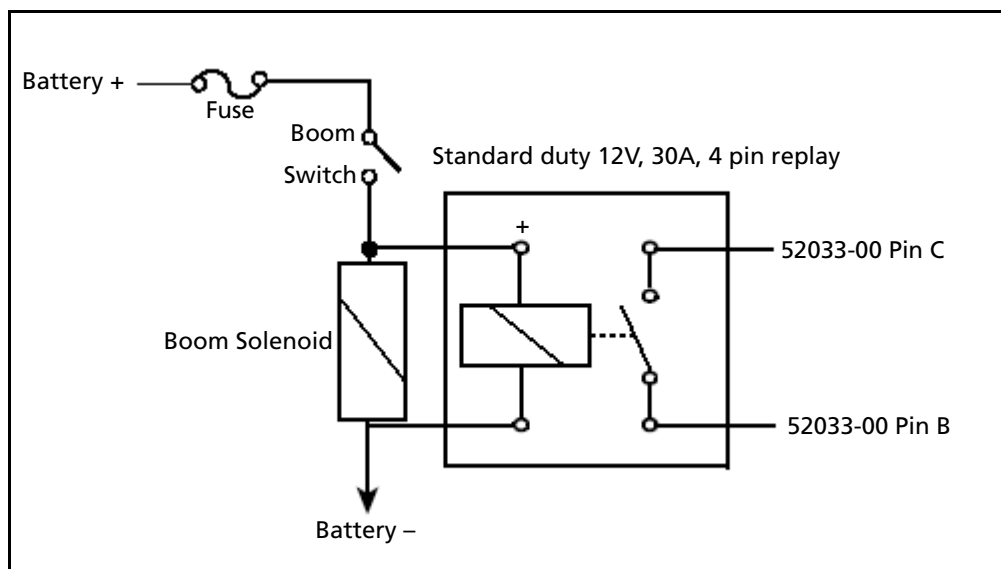
AgGPS Recon handheld



Switch Inputs and Pulse Outputs

Switch Inputs

With relay



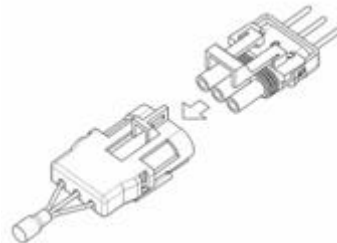
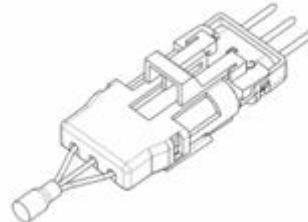
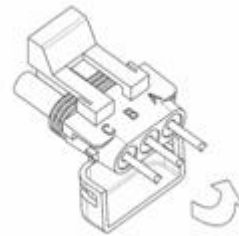
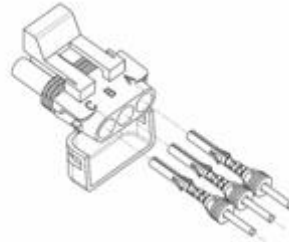
To connect wires to the external interface cable 3-way connector:

1. Strip 5.6 mm (7/32") of insulation from each wire on the external input device.
2. Thread each wire through a cable seal and then place the wire in a female crimp terminal.



Note – Position the cable seal flush with the end of the insulation, and in the large crimp tabs.

3. Use a crimp tool or pliers to crimp the female terminal. Solder the exposed wire to the female crimp terminal. Check the physical and electrical connection. Do not use an excessive amount of solder. Repeat for each wire termination.
4. Insert the three female crimp terminals and cable seals into the 3-way female connector housing. Ensure that each crimp terminal latches into the housing.
5. Lock the crimped wires into the connector by rotating the cover 90° as shown.
6. Plug the finished 3-way female connector into the 3-way male connector on the cable.



Pulse Outputs

The AgGPS® EZ-Guide® Plus lightbar guidance system with firmware version 2.00 or later uses GPS speed to generate a signal. This signal simulates the output of a radar speed gun for application rate controllers. Because some controllers need a stronger signal, an in-line pulse amplifier (P/N 56328) is included with radar simulator cables.

To install the pulse amplifier (P/N 56328) and use the radar pulses, use cable P/N 52033 and an appropriate radar cable for your equipment.

To install the pulse amplifier:

1. Plug the pulse amplifier into the 9-pin port on the EZ-Guide Plus lightbar.
2. Carefully tighten the two screws until they just hold the pulse amplifier in place.
3. Connect the external interface cable (P/N 52033) to the output of the pulse amplifier and then tighten the thumb screws.
4. Plug the remote control connector into the “KPAD” end of the external interface cable (P/N 52033).
5. Plug the radar cable into the 3-pin Delphi WeatherPack connector on the external interface cable.
6. Plug the radar cable into your rate controller in place of the radar gun.

