COM Port GS2 Cable Kit

P/N: OBK-S-GS2

Overview

The Outback-S can be used as a position receiver for GreenStar combine yield mapping systems. Use this cable kit to connect 50 series systems with a mobile mapping processor piggy-backed behind the display unit.

Kit Contents

The GS2 cable kit includes a 5ft serial cable with a proper connector for newer style GreenStar systems along with installation instructions. Configuration of the proper Outback-S NMEA messages is supported directly on the Outback-S console with application version 2.0 and above.

Cable Connection

Locate the external receiver connector on the back of the mobile processor, behind the display unit. Insert mating GS2 cable connector, route the interface cable and connect the other end to the COM port on the Outback-S receiver.
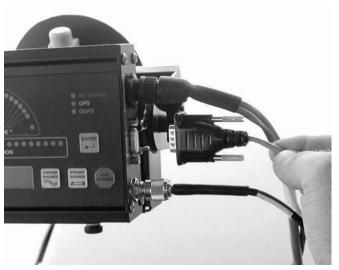
Required Communication Protocol

For successful communication between the Outback-S console and the GreenStar yield mapping processor, use 4800 Baud with NMEA messages GGA, RMC, and GSA enabled at 1 Hz. Refer to the Outback-S owner's manual for changing the default communication protocol to match these GreenStar requirements.

GreenStar Communication Requirements

Baud Rate	*4800*	9600	19200
NMEA Messages			
GGA	OFF	*1 Hz*	5 Hz
GLL	*OFF*	1 Hz	5 Hz
VTG	*OFF*	1 Hz	5 Hz
GSV	*OFF*	1 Hz	
RMC	OFF	*1 Hz*	5 Hz
GSA	OFF	*1 Hz*	
ZDA	*OFF*	1 Hz	5 Hz
GST	*OFF*	1 Hz	
RTCM Message	*OFF*	ON	

Serial Data Format: Data Bits=8, Stop Bits=1, Parity=None, Flow Control=None