



AG100 User Guide For **GVxxx-Series** Devices

ACCEAG100UG001

Revision: 1.00



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Document Title	AG100 User Guide
Version	1.00
Date	2012-07-16
Status	Release
Document Control ID	ACCEAG100UG001

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0. Revision history

Revision	Date	Author	Description of change
1.00	2012-07-16	Cid	Initial

1. General Description

The AG100 is a data cable, which is designed for connect Garmin devices to GVxxx-series devices of Queclink.

Using AG100 and GVxxx-series devices, the backend server can communicate with Garmin devices directly.

2. Product Specification

2.1. Basic Specification

NO.	ITEM	SPECIFICATION
1	Box Size	55mm*35mm*15mm
2	Input Voltage	10V~30V (max 1A)
3	Output Voltage	4.5V~5.5V (max 1.5A)
4	Operating Temperature	-30°C~+80°C
5	Storage Temperature	-40°C~+85°C
6	Wire Length	Input: 200±3cm Output: 300±3cm

3. Installation

3.1. Interface Description

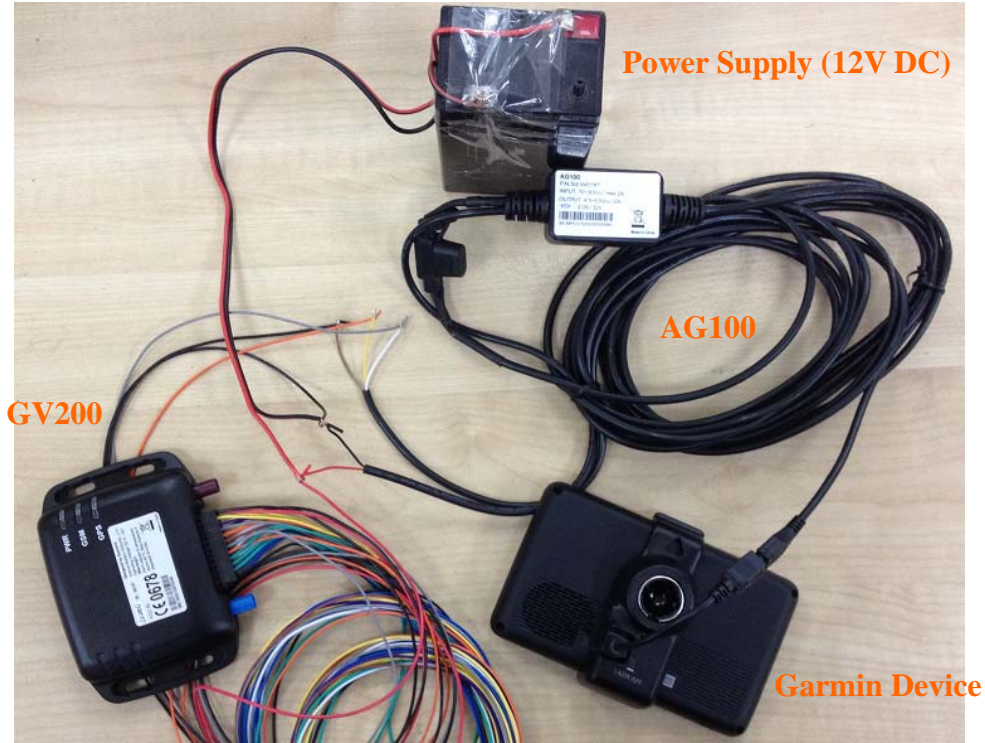
There are 5 wires on the AG100, the description of the wires and sample connection between AG100 and GV300 or GV200 are showed as follow:

AG100			Connection	GV200		
PIN No.	Color	Description	↔	PIN No.	Color	Description
1	Red	Power input	↔	24	Red	Power
2	Black	Ground	↔	23	Black	Ground
3	Brown	232_GND	↔	18	Black	Ground
4	Yellow	232_TXD	↔	9	Orange	RXD2
5	White	232_RXD	↔	11	Orange/Gray	TXD2

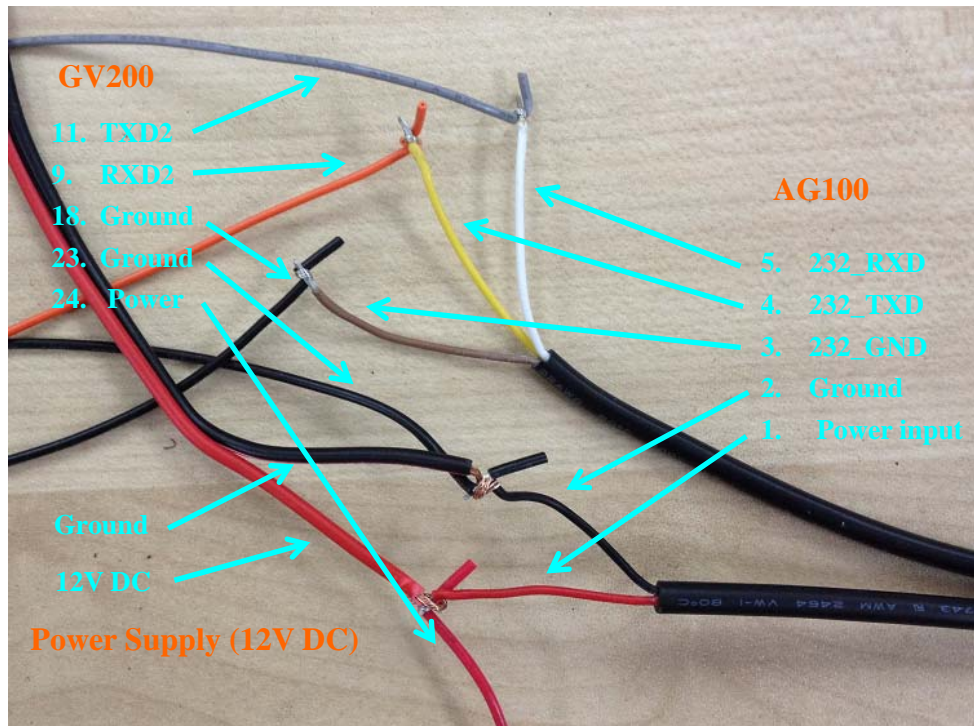
AG100			Connection	GV300		
PIN No.	Color	Description	↔	PIN No.	Color	Description
1	Red	Power input	↔	11	Red	Power
2	Black	Ground	↔	6	Black	Ground
3	Brown	232_GND	↔	6	Black	Ground
4	Yellow	232_TXD	↔	4	Green	RXD
5	White	232_RXD	↔	5	White/Black	TXD

3.2. Installation Example (GV200)

Device Connection Sample



Detail Description

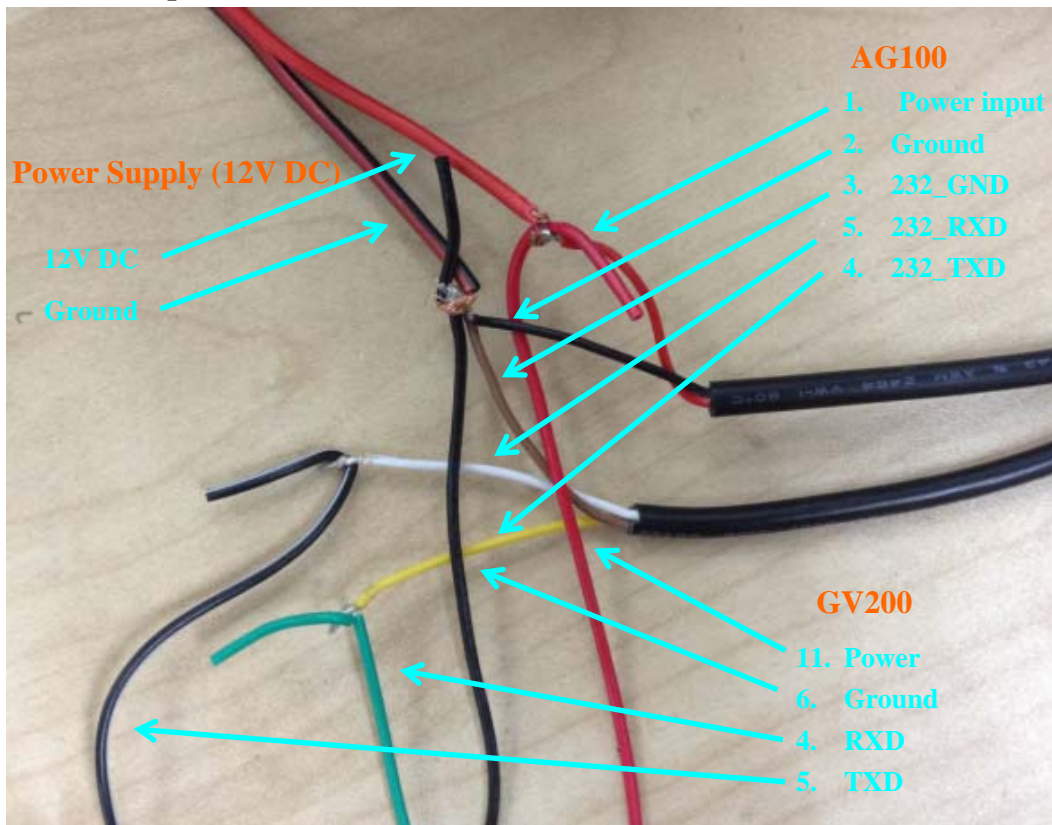


3.3. Installation Example (GV300)

Device Connection Sample



Detail Description



4. Message Format and Operation

Reference GVxxx @Track Air Interface Protocol.