

# User Manual

Version V1.0-20170915

# User Manual

## AG960 AutoSteer System CORS Network

### Operation Instruction

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## Introduction

This operation instruction is to instruct the user to complete the login of AG960 AutoSteer system at the CORS network.

### Note:

- 1) Prior to the operation, the user should complete the installation process of electronic control assemblies, steering measurement device and hydraulic valve set of AG960 AutoSteer system with reference to AG960 AutoSteer System User Manual ( [www.tersus-gnss.com/pages/documents](http://www.tersus-gnss.com/pages/documents) ) and connect all cables.
- 2) The user should buy account and password to local CORS network and obtain IP address, port number and data source for configuration.
- 3) In the “CORS network” mode, the AutoSteer system needs to be connected to the internet, therefore, the user should buy the 3G dataflow SIM card of local mobile telecom carrier, which should be inserted to the SIM card slot of the tablet computer, and pay the dataflow cost in time so as to enable the use of this mode.

## 1 Preparation prior to operation

- 1) Tool: Awl.



Figure 1 Outlook of awl.

- 2) Accessories: 3G dataflow SIM card (bought from local mobile telecom carrier), 3G antenna.



Figure 2 Outlook of a SIM card



Figure 3 Outlook of 3G antenna

## 2 Install 3G dataflow with a SIM card

- 1) Remove the sealing rubber cover of SIM card slot at the right side of the tablet computer.



Figure 4 Sealing rubber cover of the SIM card slot



Figure 5 Remove the sealing rubber cover of SIM card slot

- 2) Press the SIM card slot tab with the awl to remove the SIM card slot.

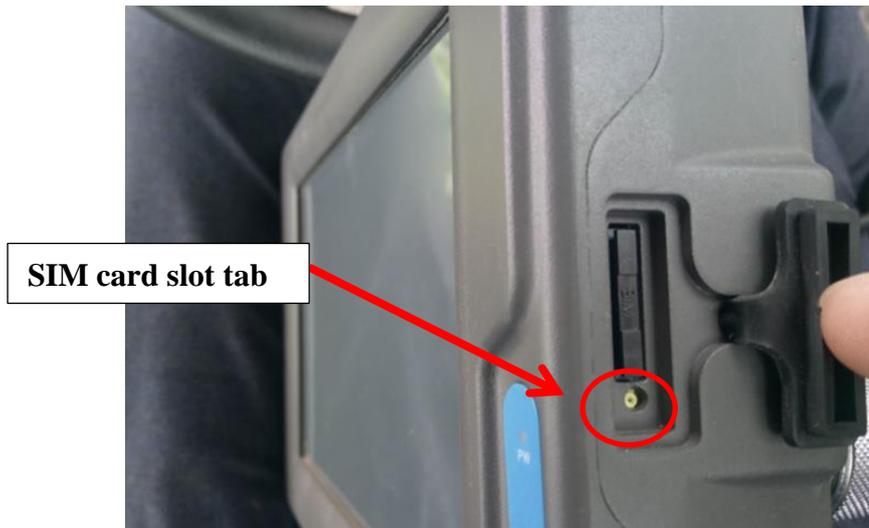


Figure 6 Remove SIM card slot

- 3) Place 3G dataflow SIM card into the slot.



Figure 7 SIM card slot



Figure 8 SIM card



Figure 9 Place the SIM card into the slot

- 4) Insert the slot with SIM card into the tablet computer and fasten the sealing rubber cover of the slot.



Figure 10 Insert the slot with SIM card into the tablet computer



Figure 11 Fasten the sealing rubber cover of the slot

### 3 Install 3G antenna

3G antenna connector is located at the back of the tablet computer. Remove the red protective cap of the connector, screw the 3G antenna into the connector clockwise and secure the connection.



Figure 12 Back of tablet computer



Figure 13 3G antenna



Figure 14 Install 3G antenna

## 4 Power on the AutoSteer System

Connect the power cable connector and data cable of the tablet computer. Turn on the power switch to power on the equipment.



Figure 15 Power switch of equipment



Figure 16 Turn on the power switch

## 5 Log the AutoSteer System in the CORS Network

- 1) When the equipment is powered on, the display shows the boot screen. Click “USER”, select “TECHNICAL SUPPORT”, and enter the login password (obtained from the dealer or technical support). Click “AGREE” to enter the main screen of technical support.

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User

Agree

Figure 17 Illustration of software screen

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User

Technical Support

Developer

User

Agree

Figure 18 Illustration of “Technical Support” screen

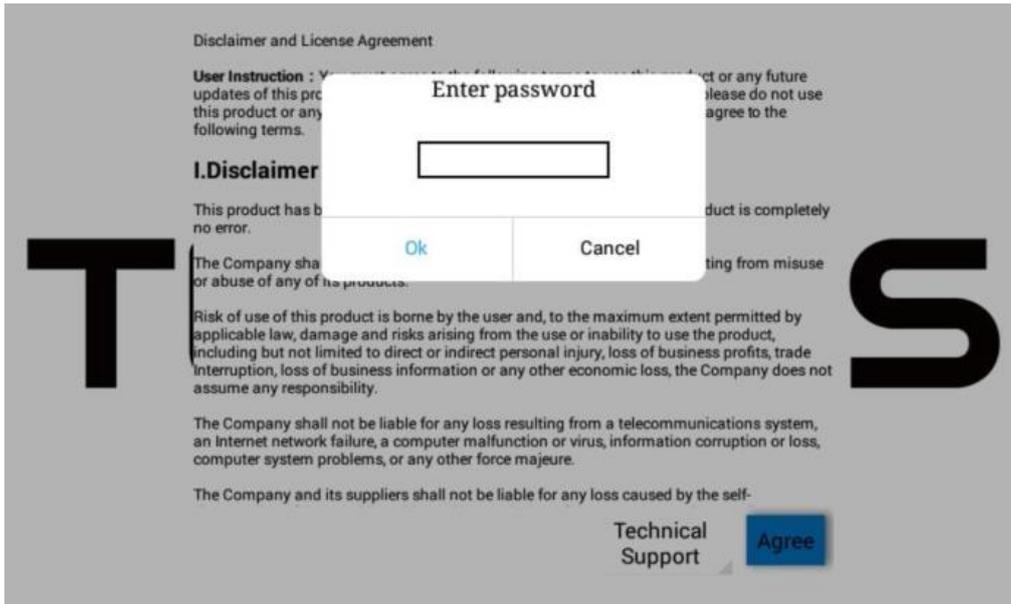


Figure 19 Illustration of “Enter Password” screen

- 2) Click  to enter the window of system setup.

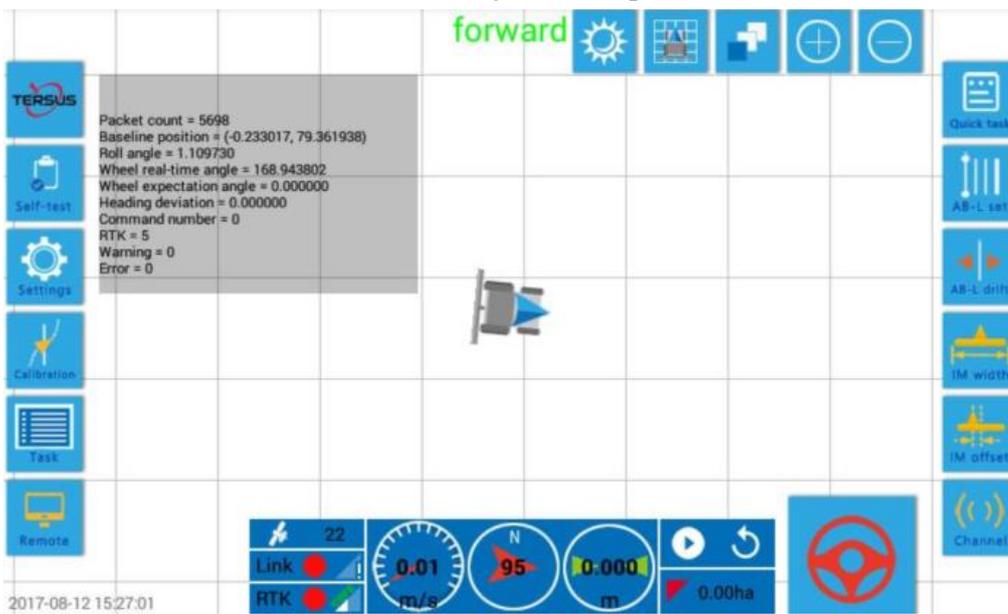


Figure 20 Illustration of “System Setup” screen

- 3) Click  to set up the system.

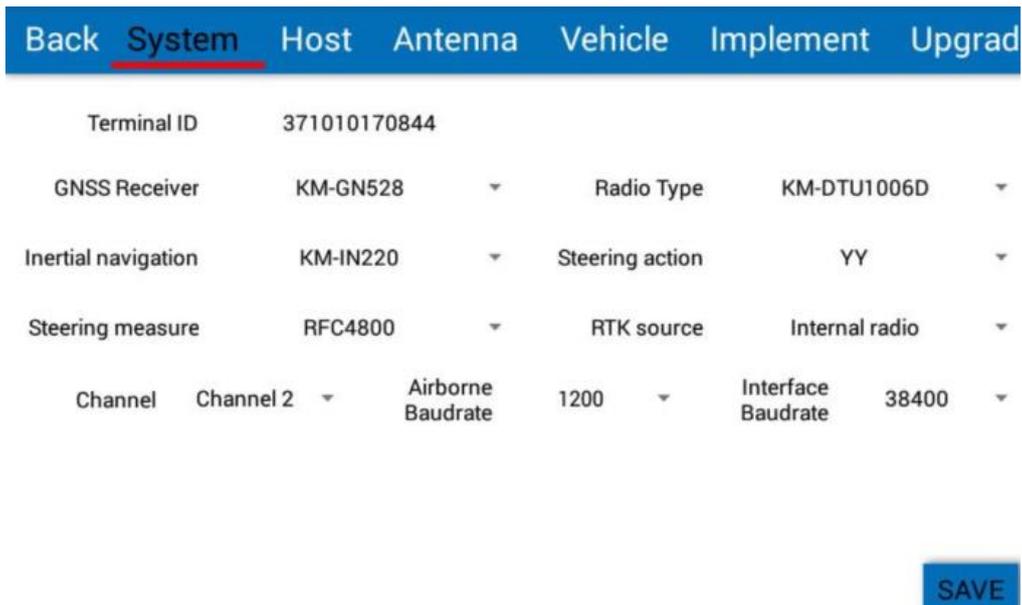


Figure 21 Illustration of “System Setup” menu

- 4) Click the dropdown icon at the right side of **RTK source** to select **CORS**

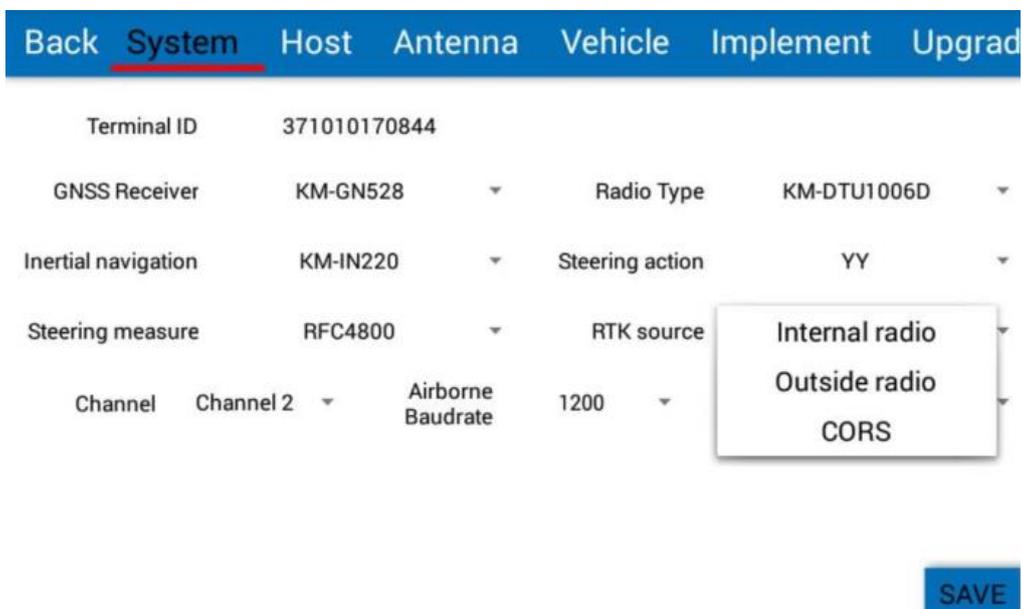


Figure 22 Illustration of “CORS” pop-up

- 5) Enter IP Address, Port, Username, Password and Source data in the block of CORS ServerParameter.

Back	<u>System</u>	Host	Antenna	Vehicle	Implement	Upgrad
Terminal ID	371010170844					
GNSS Receiver	KM-GN528	▼	Radio Type	KM-DTU1006D	▼	
Inertial navigation	KM-IN220	▼	Steering action	YY	▼	
Steering measure	RFC4800	▼	RTK source	CORS	▼	
<b>【 Cors ServerParameter 】</b>						
IP Address :	<input type="text"/>	Port :	<input type="text"/>			
Username :	<input type="text"/>	Password :	<input type="text"/>			
Source data :	<input type="text"/>					
						<b>SAVE</b>

Figure 23 Illustration of “CORS ServerParameter”

Click the blank box of each parameter to display the text input box. When the parameter is entered, click **Done** for confirmation.

60.205.8.49

Done

1 2 3 4 5 6 7 8 9 0

@ # \$ % & \* - + ( )

= \ < ! " ' : ; / ?

ABC , . Done

Figure 24 Illustration of “CORS ServerParameter” 2

When each parameter is entered, click **SAVE**. Then the screen will display **Send order** and **Connect the CORS correctly !** successively at the lower part as a hint.

<a href="#">Back</a> <u><a href="#">System</a></u> <a href="#">Host</a> <a href="#">Antenna</a> <a href="#">Vehicle</a> <a href="#">Implement</a> <a href="#">Upgrad</a>					
Terminal ID	371010170844				
GNSS Receiver	KM-GN528	▼	Radio Type	KM-DTU1006D	▼
Inertial navigation	KM-IN220	▼	Steering action	YY	▼
Steering measure	RFC4800	▼	RTK source	CORS	▼
<b>【 Cors ServerParameter 】</b>					
IP Address :	<input type="text" value="60.205.8.49"/>	Port :	<input type="text" value="8002"/>		
Username :	<input type="text" value="P_SAI02"/>	Password :	<input type="password"/>		
Source data :	<input type="text" value="RTCM32_GGB"/>				
					<input type="button" value="SAVE"/>

Figure 25 Illustration of “CORS ServerParameter” 3

<a href="#">Back</a> <u><a href="#">System</a></u> <a href="#">Host</a> <a href="#">Antenna</a> <a href="#">Vehicle</a> <a href="#">Implement</a> <a href="#">Upgrad</a>					
Terminal ID	371010170844				
GNSS Receiver	KM-GN528	▼	Radio Type	KM-DTU1006D	▼
Inertial navigation	KM-IN220	▼	Steering action	YY	▼
Steering measure	RFC4800	▼	RTK source	CORS	▼
<b>【 Cors ServerParameter 】</b>					
IP Address :	<input type="text" value="60.205.8.49"/>	Port :	<input type="text" value="8002"/>		
Username :	<input type="text" value="P_SAI02"/>	Password :	<input type="password"/>		
Source data :	<input type="text" value="RTCM32_GGB"/>				
				<input type="button" value="Send order"/>	<input type="button" value="SAVE"/>

Figure 26 Illustration of “CORS ServerParameter” 4

Terminal ID	371010170844		
GNSS Receiver	KM-GN528	Radio Type	KM-DTU1006D
Inertial navigation	KM-IN220	Steering action	YY
Steering measure	RFC4800	RTK source	CORS

**【 Cors ServerParameter 】**

IP Address :  Port :

Username :  Password :

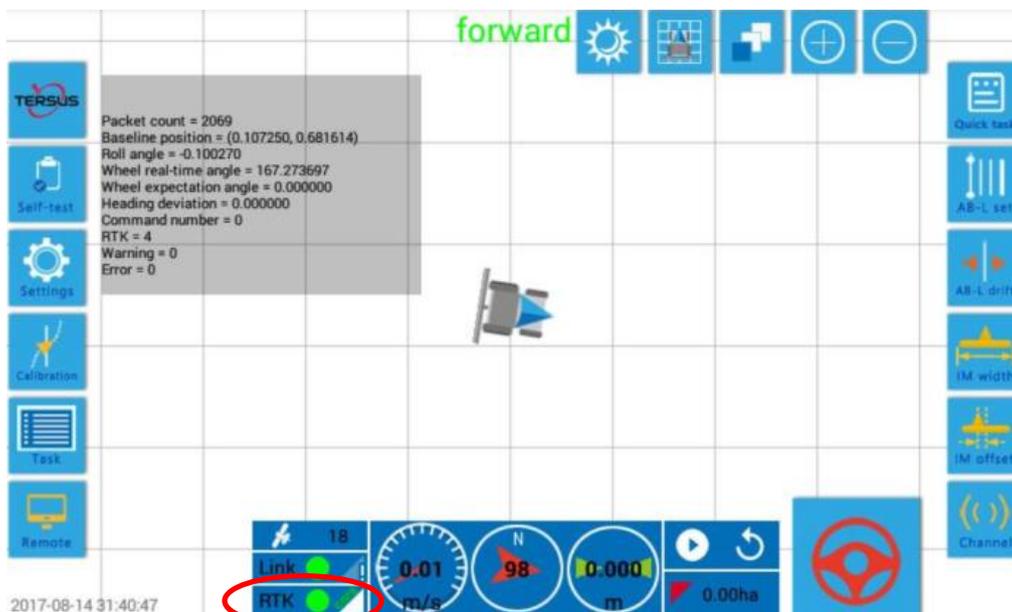
Source data :

Connect the CORS correctly !

**SAVE**

Figure 27 Illustration of “CORS ServerParameter” 5

Click  to return the home screen and the icon  can be observed at the lower part. The RTK signal icon is green and the right triangle icon  is full and CORS is shown above the triangle icon. Click  to observe and check that each part of the AutoSteer system is normal. Now AG960 AutoSteer system is successfully connected to and logged in the CORS network.



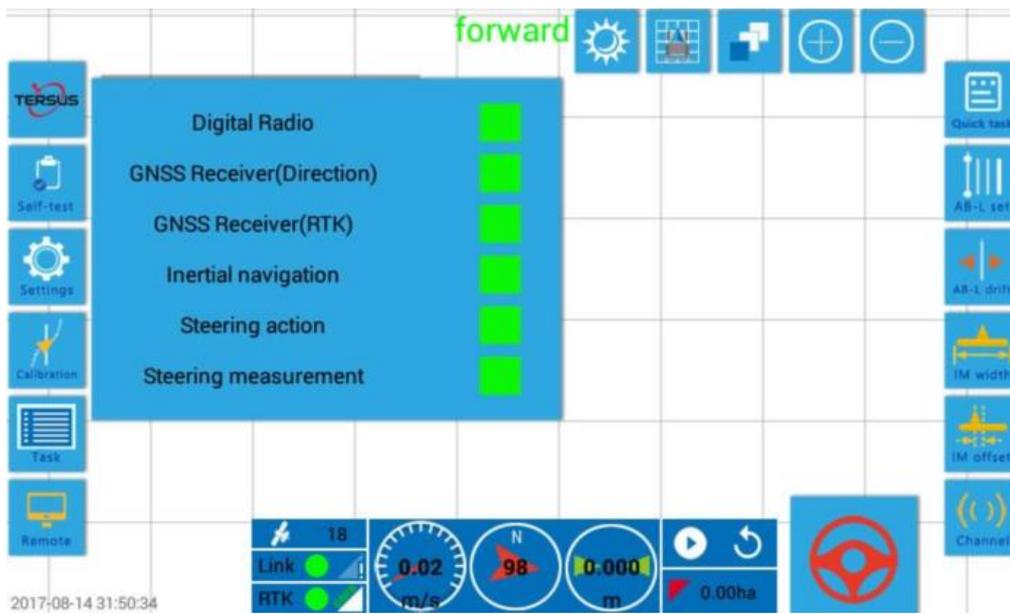


Figure 28 Illustration of CORS connection

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