Simulator function





You can use the Pilot application without a controller or internet connection. Use it for training, demonstrations, etc.

Simulator mode can be used for 3D/2D machine guidance.

The usage is the same as the normal mode (controller connection).Normal mode settings and simulator mode settings are separate.

Main Constraints

- Payload meters are not available
- Geo-fencing is not available
- Some functions and menus are not available or not displayed
- Three-screen display is not an option
- Project files and buckets cannot be downloaded from the server

For more information, see 2 Simulator Limitations.



01 Chapter

Switching to and operating the simulator

1.1 Usage Flow



The simulator function can be used in the following flow.



1.2 Switching to simulator mode



- 1. After starting the application, tap (\mathfrak{S}) to display Common settings.
- 2. Simulator mode switched to "ON"

※ Simulator mode does not yet support geofences. (v1.0.04)

Common Settings	
Language	English
Region	North America V
Unit of Length	Meter
Weight Unit	kilogram(kg)
Coordinates	NEZ
2DMG Mode	ON OFF
Geofence	ON OFF
Simulator Mode	ON OFF
Storage Free Space Threshold	10 %
TERMS OF USE]

1.3 Launching the Guidance Screen



- 1. Only "Machine Guidance" is displayed on the application startup screen
- 2. Tap "Machine Guidance"
- 3. "Project file not selected" is displayed.

% If a project file has already been set up, design data will be displayed.



1.4 Loading Project Files



- 1. Tap "Menu" > "Project File"
- 2. Tap **D** to select the project file (.rpz) in the tablet device

※ The project file is managed separately from the project file in normal mode.

※ Creating a project file is the same as in normal mode.

Menu white the A	Project File X
Project File	
Guidance Settings	Project File In Use
GNSS Settings	Project Name
Bucket Configuration	Project files
Machine Calibration Settings	
System Configuration	
Exit	

1.5 Operation of the simulator screen



The work equipment (arm, boom, bucket) repeats the fixed operation.





02 Chapter

Simulator limitations (as of v1.0.04)

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2.1 Simulator Limitations



"Extension Arm Configuration" "Payload Configuration" "Geofence Settings" and "Administrator Settings" are not available in the simulator.

In addition, there are limitations on each function.

Simulator mode menu

Menu	
Project File	
Guidance Settings	
GNSS Settings	
Bucket Configuration	
Machine Calibration Settings	
System Configuration	
Exit	

Normal mode menu

Menu	FIX	S ²	Î	×
Project File				
Guidance Settings				
GNSS Settings				
Bucket Configuration				
Machine Calibration Set	tings			
Extension Arm Configur	ation			
Payload Configuration				
Geofence Settings				
System Configuration				
Administrator Settings				
Exit				WIL
0.0° (1) 0.0°			81	L.517m

2.2 Guidance Screen Limitations



- The position displayed by the machine is different from the actual position.
- Since it is not connected to the controller, error displays that assume a connection from the controller, such as GNSS, are not displayed.
- Three-screen display is not supported.
- The heat map is initialized when the simulator function is disabled.

Simulator mode



Normal mode



2.3 **Project File Limitations**



- Project files cannot be downloaded from the server.
- Geofences cannot be created.
- Designs cannot be created from linework.
- The latest projection list cannot be downloaded.
- Projects created in simulator mode can only be used in simulator mode; projects in normal mode are not synchronized.
- The update button for control point editing is not available.

Simulator mode

Normal mode



2.4 Guidance Settings Limitations



- Guidance settings in the simulator mode are not synchronized with those in the normal mode.
- Settings related to the following functions cannot be made in "Application Settings".
 - Extension Arm Function
 - 2 Piece Boom Function
 - Swing Boom Function
 - Geofence

Application Settings	X
Wire Frame Mode	ON OFF
Maximum Baseline	
Maximum Baseline	10000.000 m
Tilt Bucket Function	
Display Mode	ON OFF
Section View Distance Setting	
Distance to the design surface	ON OFF
Elevation	ON OFF
Light Bar Size	
Display Mode	Large v
Bucket Width Line	
Display Mode	ON OFF
د د	

Simulator mode

Normal mode

Application Settings		\checkmark
Display Mode	ON	OFF
Section View Distance Setting		
Distance to the design surface	ON	OFF
Elevation	ON	OFF
2 Piece Boom Function		
Display Mode	ON	OFF
Swing Boom Function		
Display Mode	ON	OFF
Light Bar Size		
Display Mode	Large	·]
Bucket Width Line		
Display Mode	ON	OFF
د د	$\overline{}$	~

2.5 GNSS Settings Limitations



- "GNSS Info" is not available.
- "GNSS Basic Settings" is fixed and cannot be edited.
- Soft reset and Hard reset are not available.
- "Ntrip Settings" is not available and cannot be edited.

Simulator mode menu



GNSS Basic Settings

GNSS Basic Setting GNSS Basic Setting	gs	X
Type of Correction Info		● VRS ○ External Radio
Type of GNSS		GPS+GLO+GAL+BDS
Mask Angle		15.0 °
Low Accuracy Thresh	old	0.060 m
High Accuracy Thresh	old	0.030 m
Radio Baud Rate		38400 bps
[Soft Reset Hard Reset	
	_	
		_

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Normal mode menu



Ntrip Settings

Ntrip Settings		
Server Name	[])
Server URL		
Port		
User ID	[
Password		
Mount Points	Ð	~]
	2	$\overline{}$

2.6 Bucket Settings Limitations



- The following three buckets are already registered by default: Standard is installed.
 - Standard
 - Slope
 - Tilt
- It is saved as a simulator mode bucket and is not synchronized with the normal mode bucket.
- Bucket files cannot be downloaded from the server.
- The Update button on the Bucket Calibration screen is not available.



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2.7 Machine Calibration Settings Limitations



- "Position Posture Info" is not available.
- The "Update" button on the calibration screen is not available.
- Two-piece boom and swing boom functions are not available.

2.8 System Configuration Limitations



 "Controller Info" "License Info" and "Network Settings" are not available.



Nomal mode menu

System Configuration	×
Controller Info	<
Copyright	
License Info	
Network Settings	

Contact information



Inquiries about products and defects:

EARTH BRAIN Co., Ltd. Support site inquiries : Europe US Australia Asia