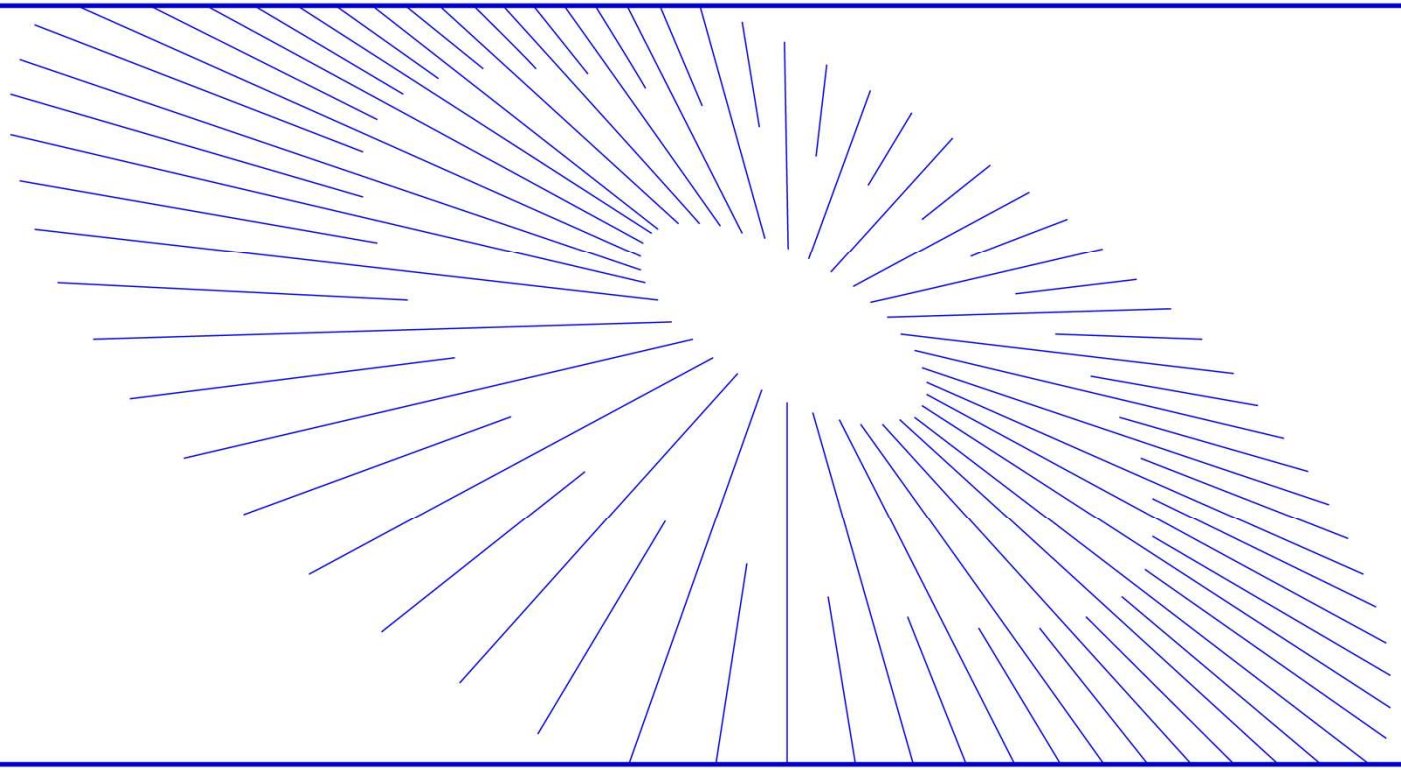
Edge2 V6 Release Note

2024/06/26 note ver. 1.1



EARTHBRAIN

Edge2 v6 Update item

Application	Development items	Release Area	Contents/Use case	Release/Ver	Release/Date	UI Image
New feature	Improved object removal performance	ALL	Add a setting to remove or not remove blue sheets, etc. in your site. The colors of sheets that can be removed are explained in the reference UI image.	**v6-hotfix**	8/21	None yet.
	Flight map display	ALL	This document will be used for i-contraction submitted document in Japan and will export document to USB that proves that an 80% overlap rate is guaranteed.	**v6-hotfix**	8/21	None yet.
	Point cloud density output of 120 points/m2	ALL	Add a mode with a point cloud density of approximately 120 points/m2	**v6-hotfix**	8/21	None yet.
	Upload 3D accuracy check reports and camera calibration parameters to Dashboard	ALL	Currently, i-con reports output is possible via USB, but in this Ver, possible to transfer camera calibration and accuracy check reports to Groupware. This function mainly meets the needs of the Japanese market.	V6	7/10	P4
	Automated processing from PPK to Upload-to-Dashboard without manual intervention	ALL	Currently, automatic processing from PPK to point cloud generation and uploading of generated data can be done automatically, including queuing. However, if ''automated processing from PPK to Upload-to-Dashboard without manual intervention'' can be performed a series of processes can be performed in the middle of the night, eliminating waiting time for users.	V6	7/10	P5

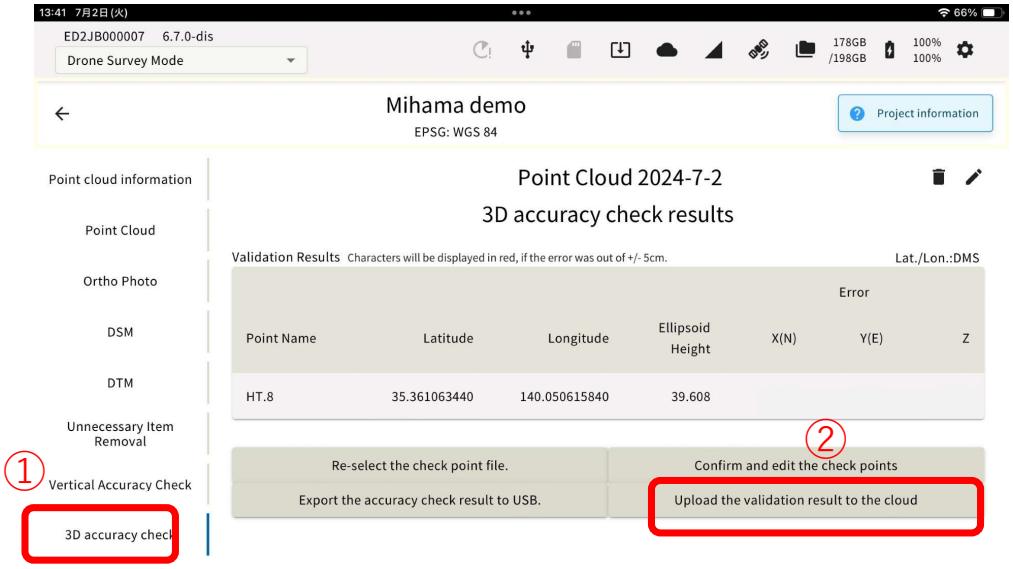
Edge2 v6 Update item

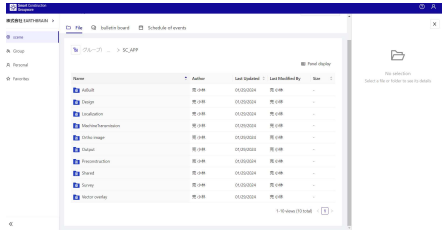
New feature	Rename point cloud after point cloud generation	ALL	Point cloud names can now be changed even after the point cloud has been generated	V6	7/10	P6
	Latitude and longitude display to 9 decimal places	ALL	After the update, the display will be 9 digits.	V6	7/10	P7
	Numerical selection of object removal	ALL	The intensity setting of object removal is currently controlled by a slider, but the slider is sometimes difficult to adjust, so the intensity can now be set numerically.	V6	7/10	P8
	Full display of flight data names	ALL	Display the flight name as well as the site name when displaying the point cloud. Full display is now possible for areas where the point cloud name is too long to be fully displayed.	V6	7/10	P9
	Addition of point cloud name display	ALL	User-defined point cloud names can now be displayed on the point cloud display screen and on the screen during point cloud processing.	V6	7/10	P10
	Processing time display (actual time taken)	ALL	The time taken for point cloud processing and updating to cloud can now be checked later.	V6	7/10	P11
	Inherit points from Dashboard	ALL	Project inheritance from Dashboard and GC3 parameter inheritance function already exists, but it is now possible to import the points from Dashboard.	V6	7/10	P12
Performance Improvement	Improved accuracy in untextured areas	ALL	By improving SFM performance addressing a situation in which texture could not be detected properly in black soil areas in some on sites, resulting in point cloud will doubling to prevents.	**v6-hotfix**	8/21	None yet.

EARTHBRAIN • Upload 3D accuracy check reports and camera calibration parameters to Dashboard

① Tap ‘’3D accuracy check’’

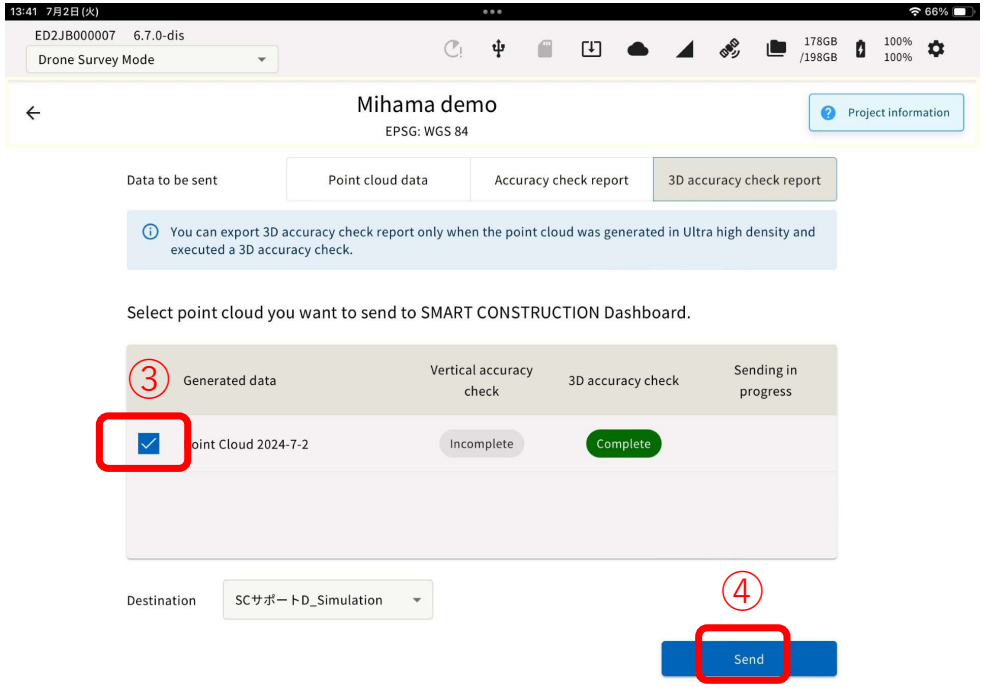
② Tap ‘’Upload the validation result to the cloud’’





③ Select your data.

④ Tap ‘’ Send’’

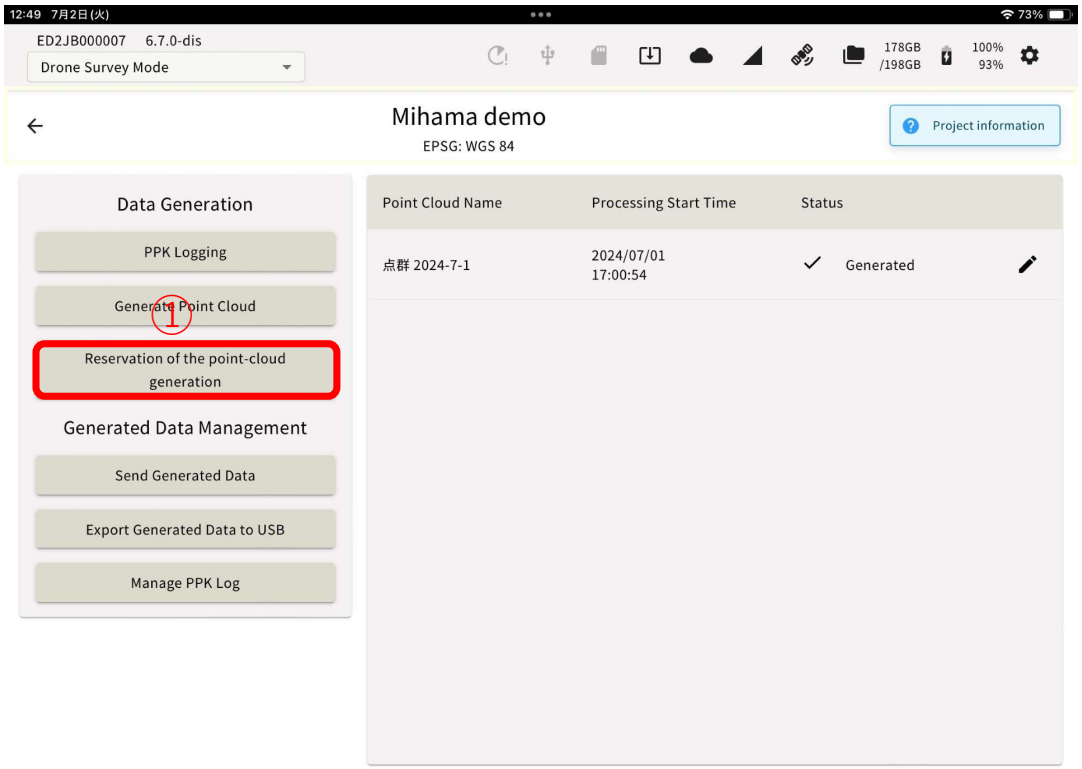


Groupware→In the SC_APP folder→It will be saved in the SCEDGE folder

EARTHBRAIN

• Automated processing from PPK to Upload-to-Dashboard without manual intervention

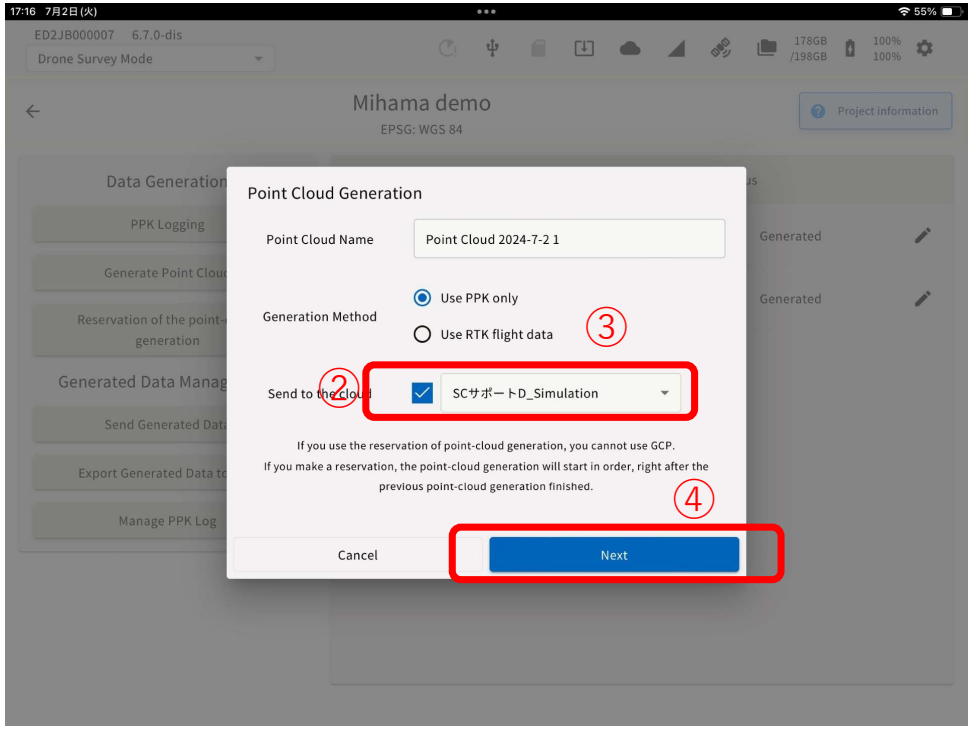
① Tap ‘’Reservation of the point-cloud generation’’



② Tap ‘Send to the cloud’’

③ Select a project to send.

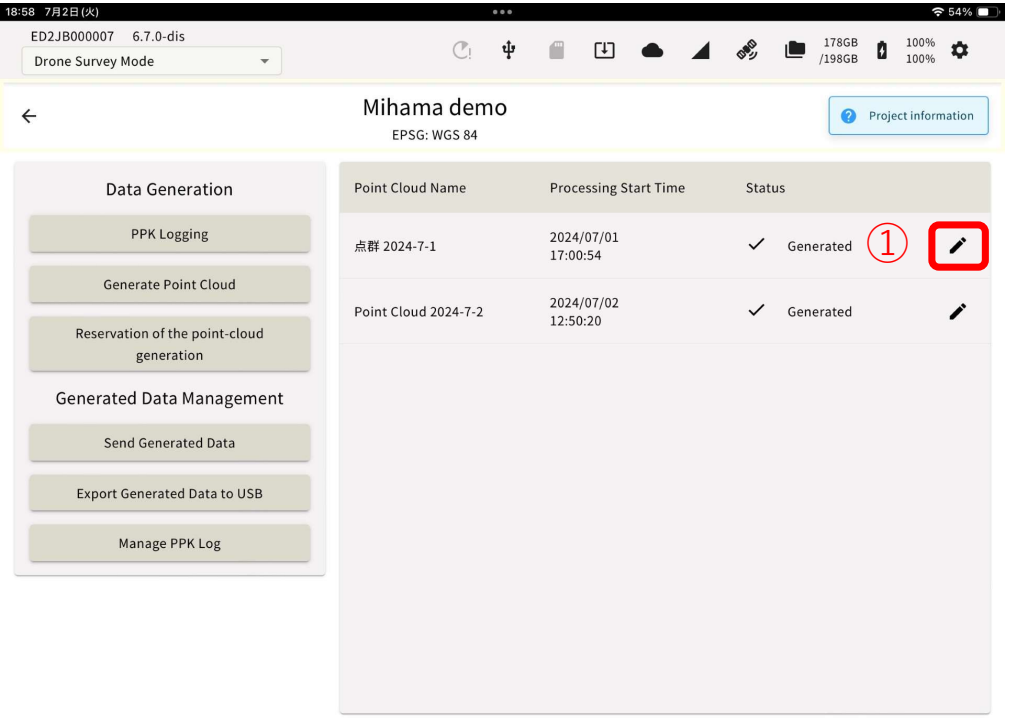
④ Select "Next" to move to the flight data selection screen.



※If there is no network connection via wired LAN or LTE at the time of SC Edge2 startup, items (2) and (3) will not be displayed.

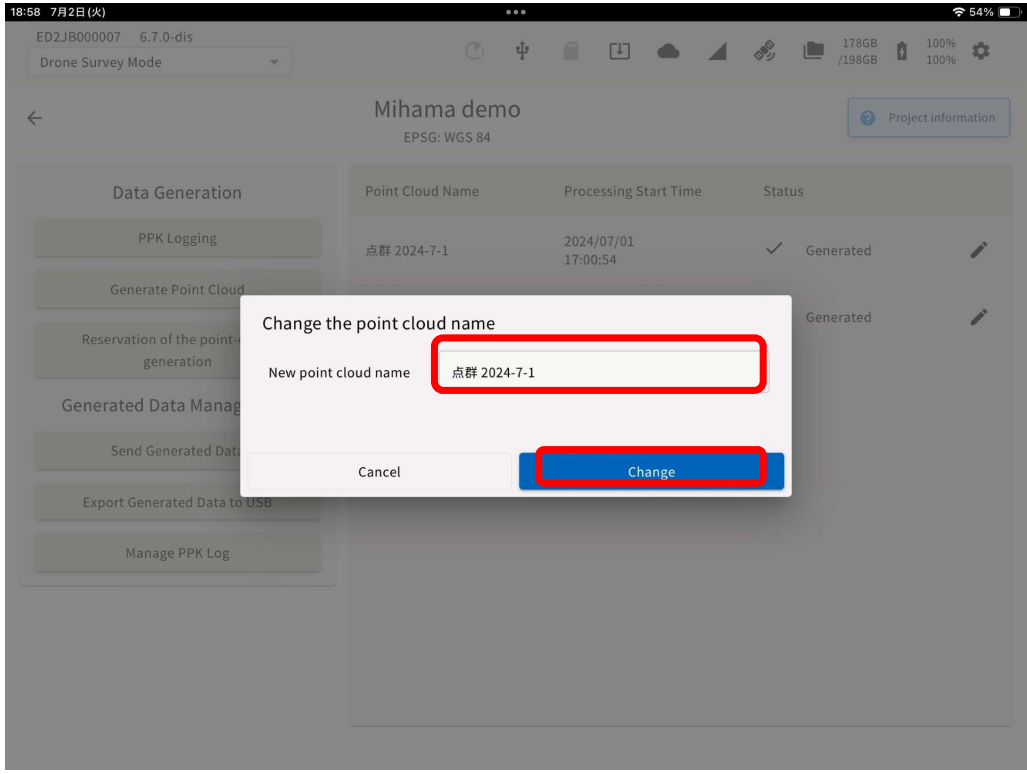
• Rename point cloud after point cloud generation

① Press the pen icon at the right end of the point cloud name display.



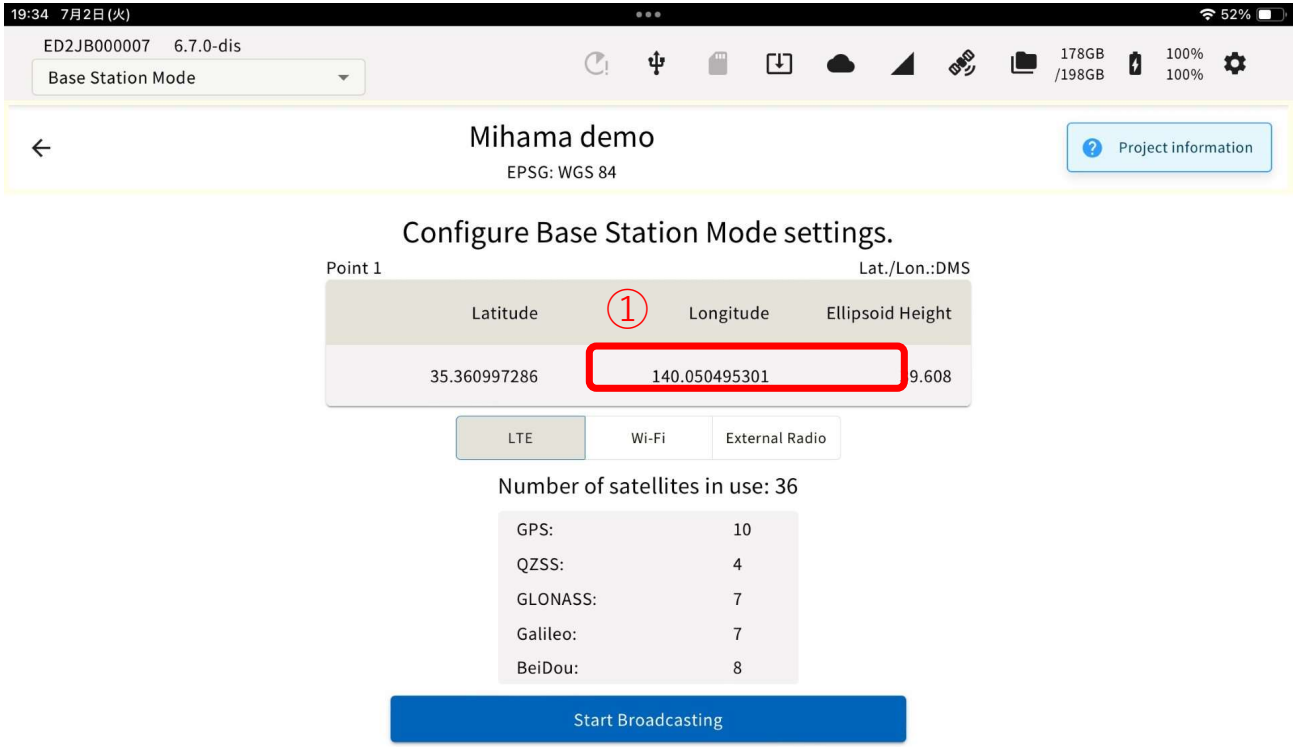
② Enter a new point cloud name.

③ Tap ''Change''



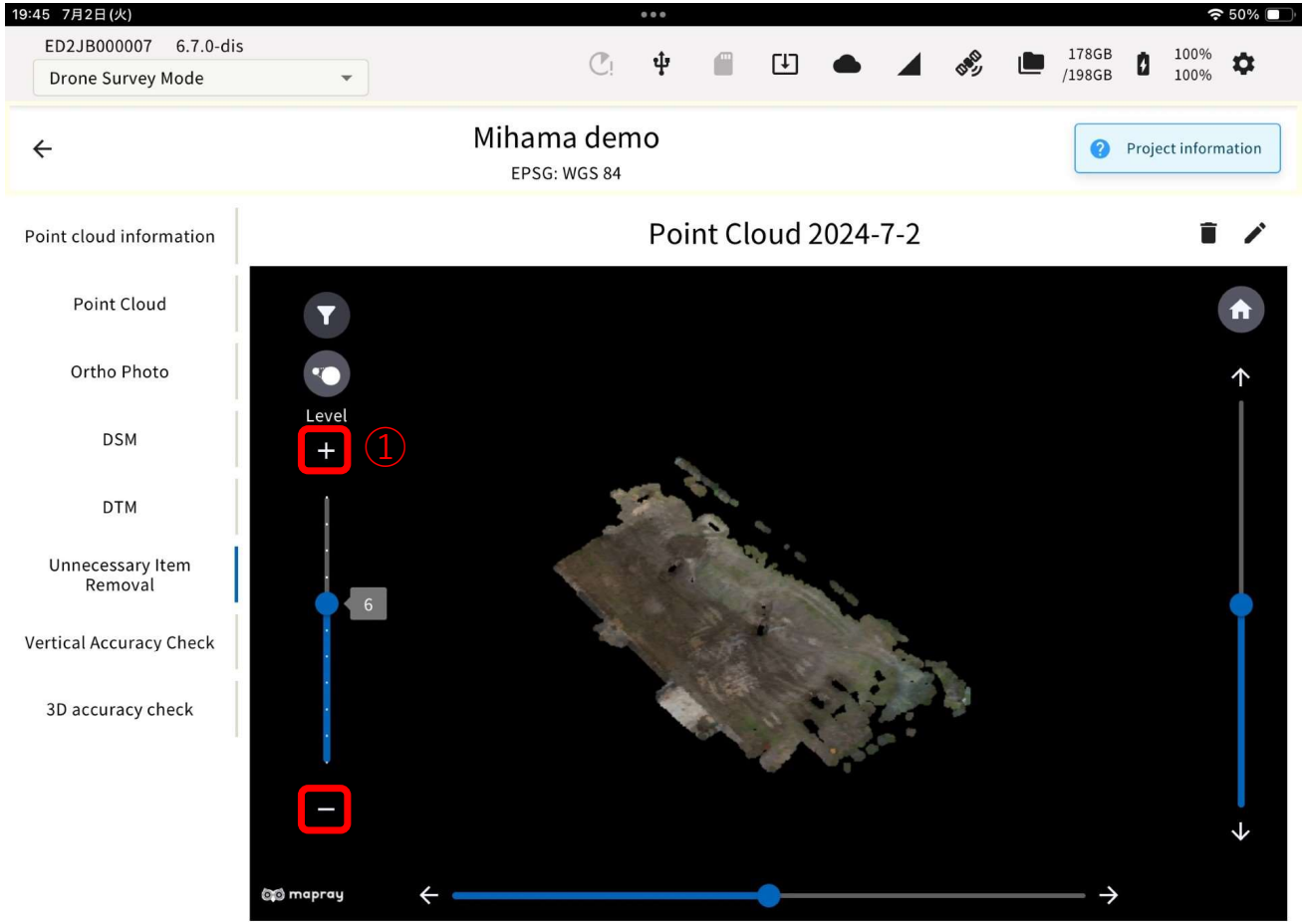
• Latitude and longitude display to 9 decimal places

① Latitude and longitude displays have been changed to 9 decimal places.



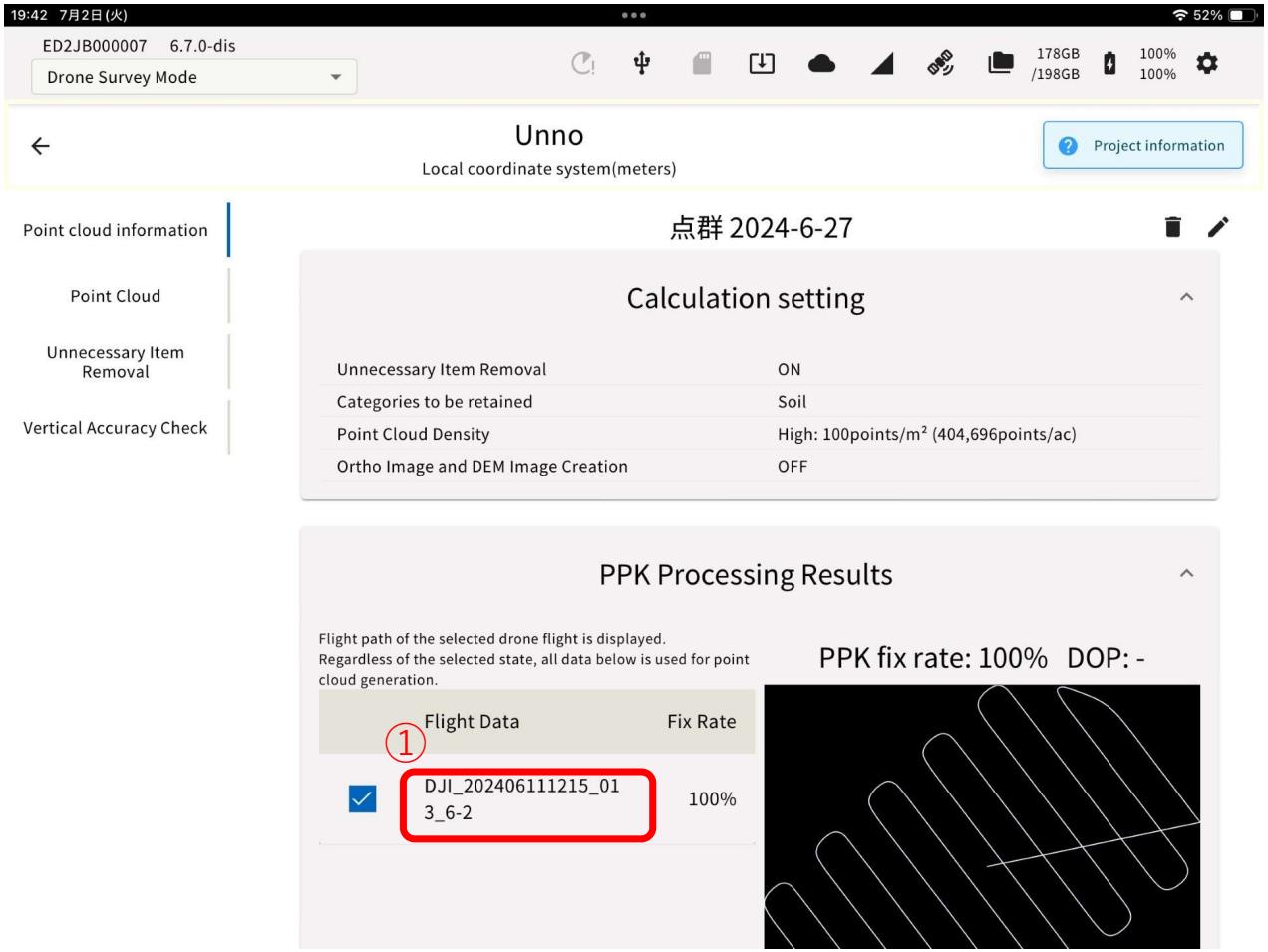
• Numerical selection of object removal

① The intensity of object removal can now be changed with the +/- buttons as well as the slide bar.



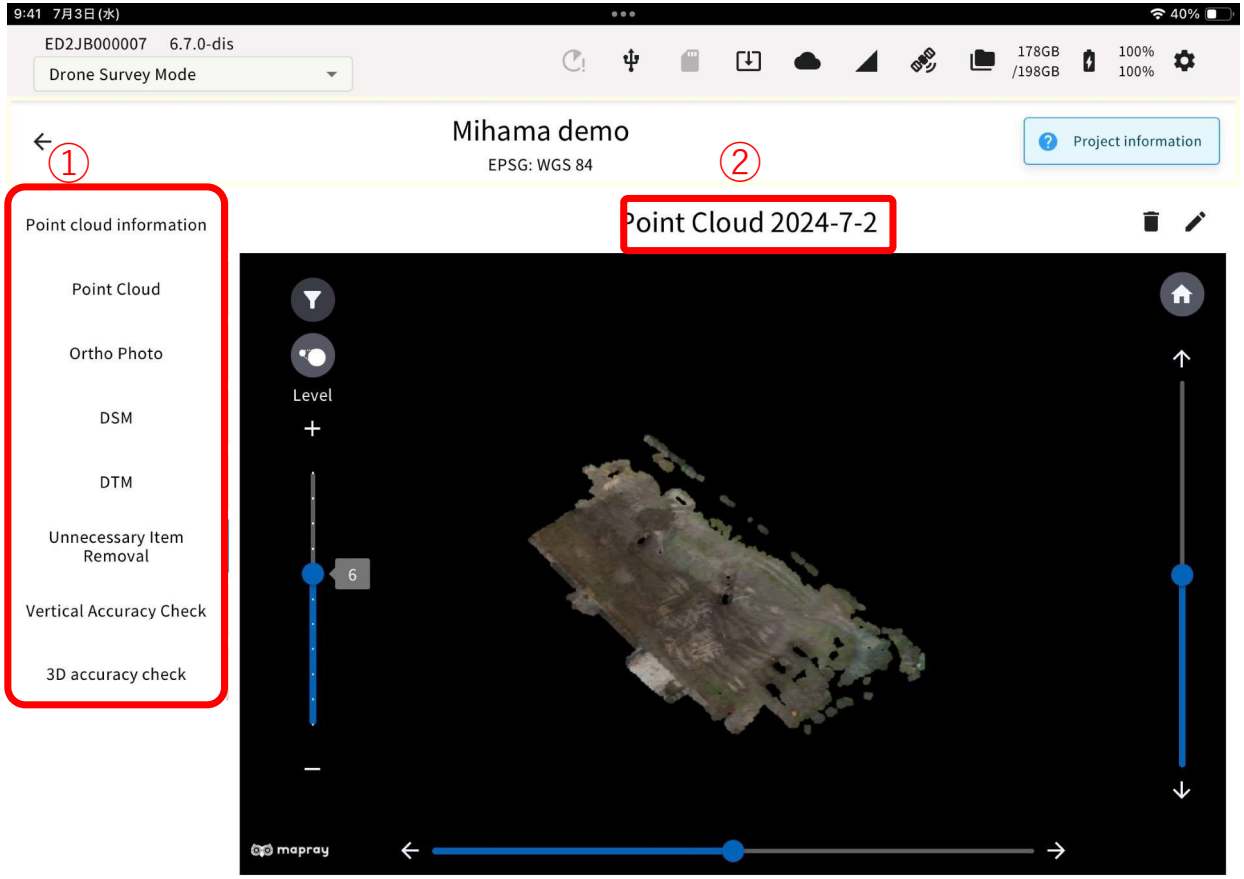
• Full display of flight data names

① Flight data names are now displayed on multiple lines without being cut off in the middle.



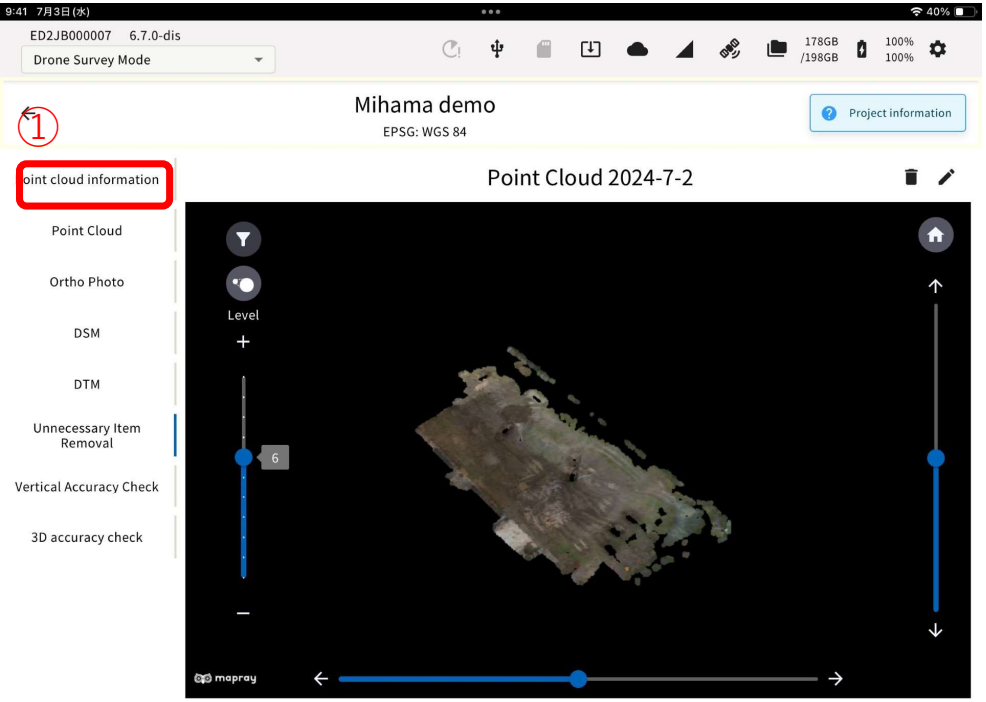
• Addition of point cloud name display

①Select one of the screens on the far left.
② Point cloud name display is added.

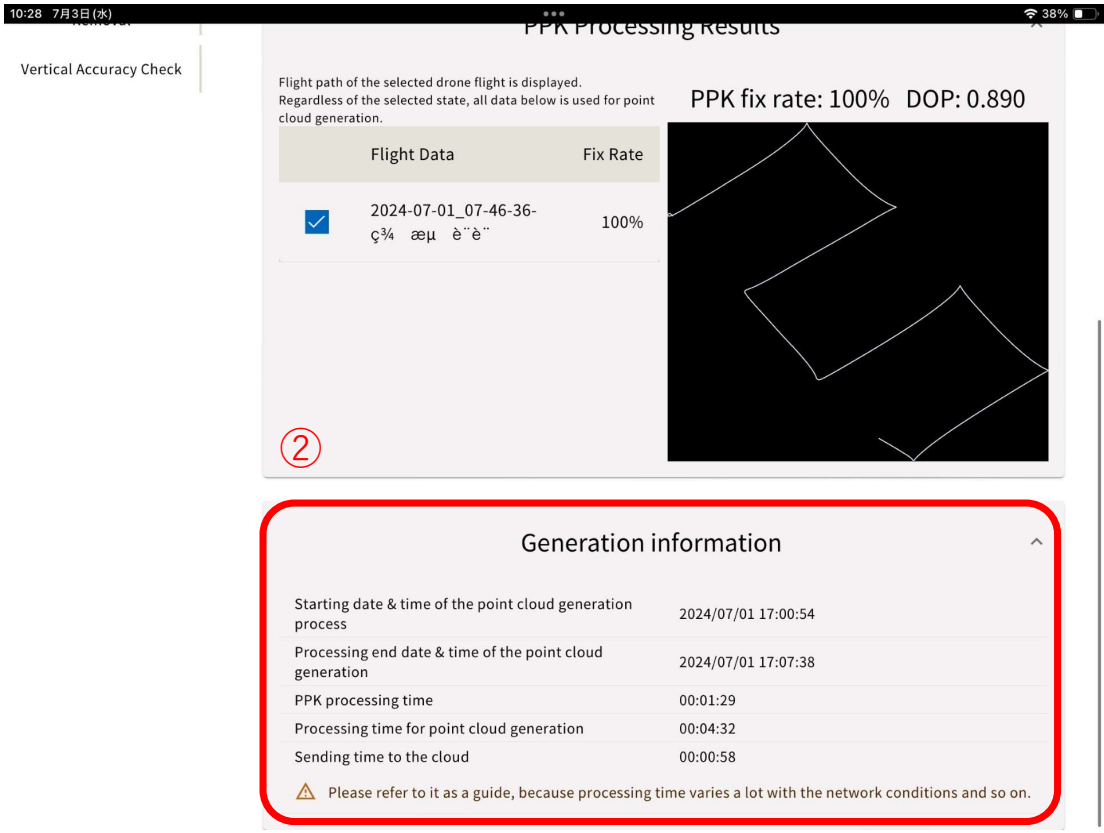


• Processing time display (actual time taken)

①Tap ‘’Point cloud information’’



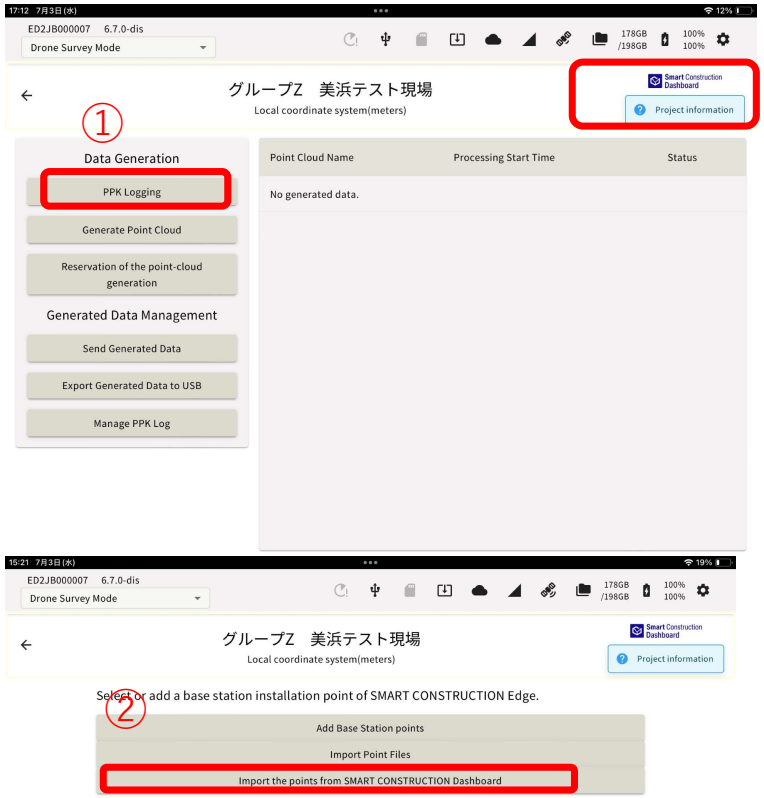
② Scroll down to "Generated Information" is displayed



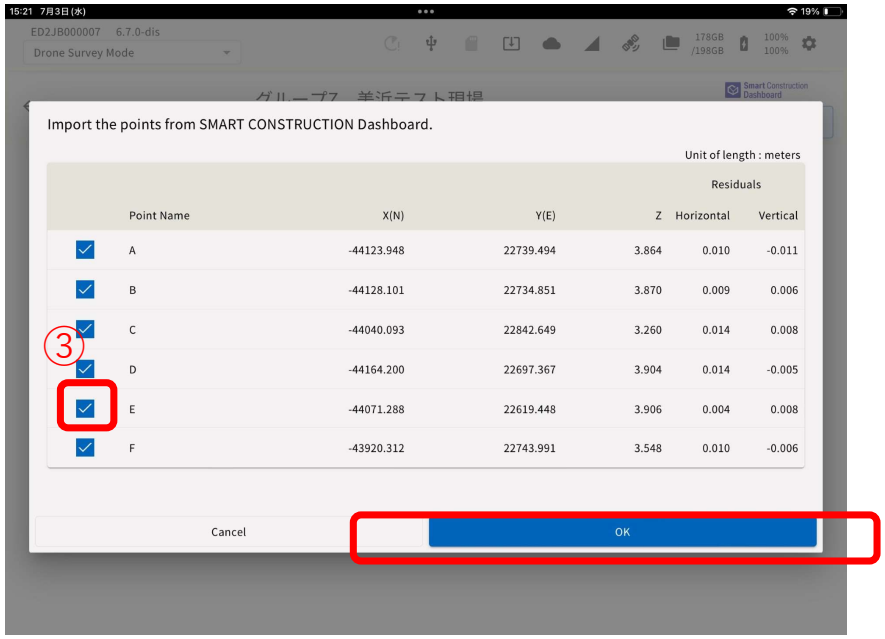
• Inherit points from Dashboard

The dashboard icon is displayed for projects linked to the dashboard,
and tapping the "project information" icon to view the GC3 information that has been loaded.

① Tap「PPK Logging」



③ A list of points registered on the Dashboard is displayed. Select control point and press OK.



Edge2 v6 Update Procedure

- Update Procedure

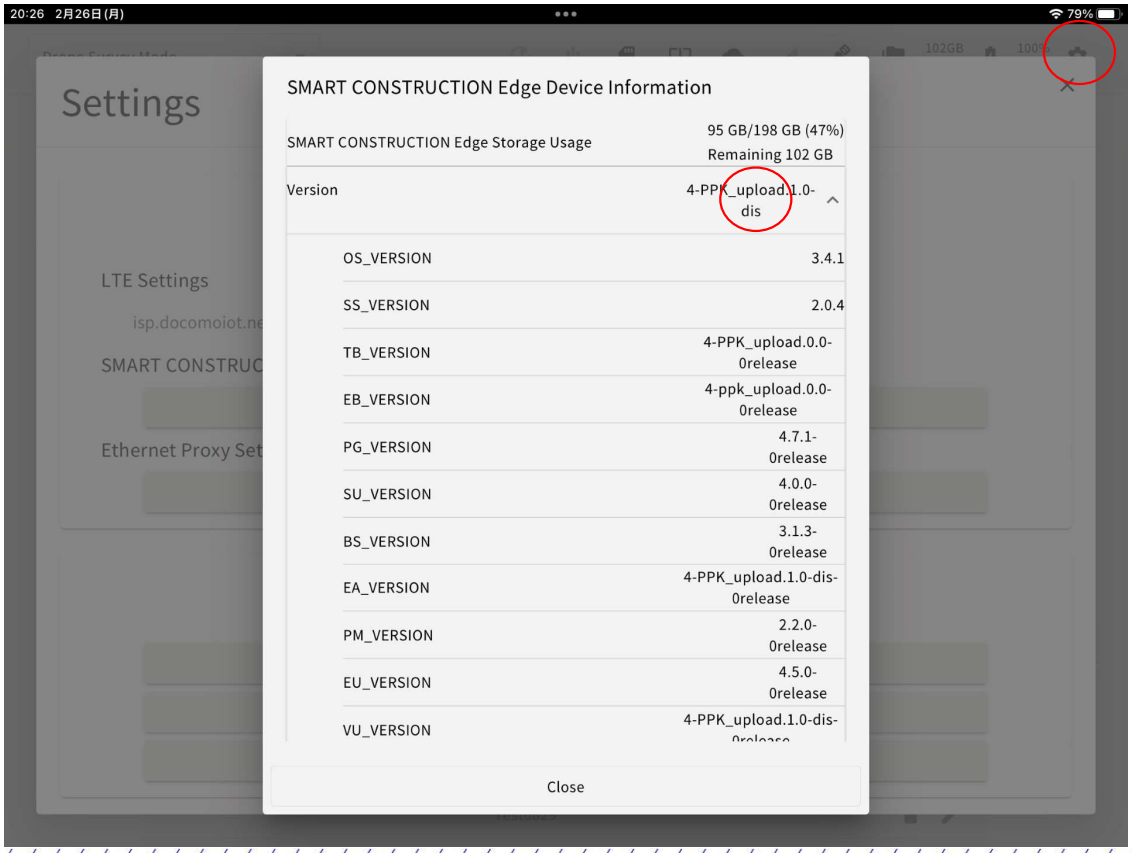
■v6-RC1.1
OTA Name： “v6-RC1.1”
FW VERSION：” 6.7.1″
OS VERSION ：″4.1.4 “

(1) Turn on the Edge 2 and make sure you are online on the Internet with the I-pad.
Wired LAN is recommended since the data size may be up to a gigabyte.

(2) Please wait for the application to finish downloading.
In a good network environment, such as a wired LAN connection, it will take approximately 30 minutes.
For LTE, it may take 1 hour or more.
By good internet connection, we mean a downstream speed of around 50Mbps.
If the internet connection is poor, the update may take around 3 to 4 hours, and in some cases, considerably longer.

Edge2 v6 Update Procedure

(3) Turn power off/on
Check the Firmware version. Go to the Settings screen -> SMART CONSTRUCTION Edge Device information, Confirm that the version is “6.7.1".If not, start over from (1). If it is, proceed to (4).



Edge2 v6 Update Procedure

(4) Please wait for the OS to finish downloading.
In a good network environment 15 minutes for wired LAN connection, etc.; 30 minutes or more for LTE, etc.

(5) Turn power OFF/ON
Check the OS version. Go to the Settings screen -> SMART CONSTRUCTION Edge Device information, Confirm that the version is “4. 1. 4 ".If not, start over from (4). If the OS Ver is confirmed, you are done!