

Notice: GPS Week Number Rollover for Equipment

Re-posting of news release dated September 15, 2023

Dear Customers,

We would like to announce that GPS week number rollover for equipment is to occur on some of our GPS devices on 8th September 2024 or 3rd August 2025.

The subject models are designed to turn the clock back 19.6 years (23rd January 2005) and will continue to work incorrectly under normal use. However, there is no influence on positioning operation. As a result, the following abnormalities occur in some equipment:

- Some date information will be displayed erroneously.
- Communication function will not work properly.

For details, please see the **2.** notice and countermeasures below.

*1 GPS week number rollover:

The week number counter in GPS resets once every 1023 weeks, which is approximately 19.6 years. The week number counters for the GPS in the objective equipment below started their week count from 23rd January 2005. It is on 8th September 2024 at 00:00 AM (UTC) that the week number counter rollover will occur.

1. Objective Equipment

1-1. Rollover date: 8th September 2024

- Inmarsat Fleet Broadband FB500 (JUE-500)
- GPS Navigator (JLR-7500/7600)
- GPS Receiver (JLR-4331W/4340)
- GPS Compass (JLR-20/30)

1-2. Rollover date: 3rd August 2025

- AIS (JHS-182/183)
- GPS Navigator (JLR-7800/7900)
- GPS Receiver (JLR-4341)
- GPS Compass (JLR-21/31)

2. Notice and Countermeasures

2-1. The rollover day is on the 8th of September 2024 at 00:00 AM (UTC).

Equipment	Models	Subject Serial No.	Notice	Countermeasures
Inmarsat Fleet Broadband FB250	JUE-500	All	The registration process to the Inmarsat network fails and communication becomes impossible. The date of the internal clock and log function of the device returns to the starting date.	Upgrade the software Confirmation method of JUE-500 software version
GPS Navigator	JLR-7500	All	Note that the time and date will go back to the starting date (January 23, 2005) when a master-reset of equipment or a battery replacement is carried out after a rollover day.	When the time and date go back to the starting date the equipment will return to normal operation by the following settings Setting method of JLR-7500 Setting method of JLR-7600 Setting method of JLR-4331W Setting method of JLR-4340 Setting method of JLR-20/30
	JLR-7600	All		
GPS Receiver	JLR-4331W	After KE51719		
	JLR-4340	All		
GPS Compass	JLR-20	All		
	JLR-30	All		

2-2. The rollover day is on the 3rd of August 2025 at 00:00 AM (UTC).

Equipment	Models	Subject Serial No.	Notice	Countermeasures
AIS	JHS-182	JHS-182: after BB51401 NTE-182: after BB71401	Note that the time and date will go back to the starting date (December 18, 2005) when a master-reset or restarting of equipment is carried out after the rollover day.	Upgrade the software or JHS-183 replacement
	JHS-183	NTE-183: up to BE04000 NCM-983: up to BB04206		Upgrade the software
GPS Navigator	JLR-7800	All	Note that time and date will go back to the starting date (December 18, 2005) when a master-reset of equipment or a battery replacement is carried out after the rollover day.	When the time and date go back to the starting date, the equipment will return to normal operation by the following settings Setting method of JLR-7800 Setting method of JLR-7900 Setting method of JLR-4341 Setting method of JLR-21/31
	JLR-7900	All		
GPS Receiver	JLR-4341	All		
GPS Compass	JLR-21	All		
	JLR-31	All		

For the software update, the corresponding cost will be charged.

***2:** For more information, and countermeasures, please contact our offices

Canada

Hostmost Marine Services (Canada) Ltd.

A: 4302 Norfolk Street, Burnaby, B.C. Canada V5G 4J9

P: +1 (604) 293 1730 (24-hr)

E: canada@hostmostgroup.com

China

Hostmost (Shanghai) Ltd.

A: Room A-23, 23/F, Qianjiang Tower, No. 971 Dong Fang Road, Shanghai, China

Postal Code: 200122

P: +86 21 6876 2991 (24-hr)

E: shanghai@hostmostgroup.com

Hong Kong

Hostmost Engineering Ltd.

A: 12th Floor, Yan's Tower 27, Wong Chuk Hang Road, Hong Kong

P: +852 2554 9207 (24-hr)

E: hk.sales@hostmostgroup.com

Philippines

Hostmost Philippines Inc.

A: Unit 102 S&L Building, 1500 Roxas Blvd., Ermita, Manila, Philippines 1000

P: +63 2 8242 3980 (24-hr)

E: philippines@hostmostgroup.com

Singapore

Hostmost Engineering (S) Pte Ltd

A: 100 Pasir Panjang Road, #08-01, Singapore 118518

P: +65 6250 2687 (24-hr)

E: singapore@hostmostgroup.com

Vietnam

Hostmost Marine Vietnam Co. Ltd

A: 391 Dao Tri, Phu Thuan Ward, Dist 7, Ho Chi Minh City, Vietnam

P: +84 (0) 28 3773 4462 (24-hr)

E: vietnam@hostmostgroup.com

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[Official source \(JRC\)](#)