

Dear Customers

GPS Week Rollover Notice for Tokyo Keiki's GPS Products

Thank you very much for choosing our products.

As to the products, which has GPS receiver or the integrated system, GPS week rollover*1 issues may occur and indicate previous date after the date specified in the table below. (The occurrence date of rollover varies and depends on the design of GPS.)

However, the time and the positioning other than the date will operate in normal.

Once the rollover occurs, date will go back 1,024 weeks and the system will output the previous date as well. If some equipment or system utilize the ZDA² sentence from our GPS Products just for other than date-display, they may generate a false alarm for the above reason.

We stopped the production of all the Tokyo Keiki products except for TRA-2000 in the table below for more than 10 years. And we are forced to discontinue their maintenance due to various reasons. Therefore in case that you are using the equipment or system mentioned below with rollover problems, we could not assist to repair nor upgrade the software. We apologize for your inconvenience. However just in case you need assistance, please use the table below for the recommendation and/or consult with us.

Note *1: GPS Week Rollover:

GPS System date is based on "GPS week numbers". The GPS week is defined as a number between 0 and 1023, meaning every 19.6 years GPS date will be reset. Therefore if rollover occurs, GPS displays wrong date.

Note *2: ZDA: Local Zone Minutes Description, part of NMEA0183 sentence

The target list of Tokyo Keiki sale product

Type of Equipment	Model	Rollover Occurrence Date	Recommendation	Remarks
GPS System	GR-1000	2017/01/01	Retrofit	
	GR-2000	2019/01/13	Retrofit	
	GR-3000	2019/01/15	Retrofit	
GPS color plotter	GRP-500	2019/01/15	Retrofit	
	GRP-1000	2019/01/15	Retrofit	
	GRP-2000	Type1: 2014/08/01 Type2: 2019/08/01 Type 3: 2024/09/01	Retrofit with new GPS receiver.	Rollover occurrence date will depend on the GPS receiver. Type1 TGA-102 or JLR-4320H Type2 TGA-103 or JLR-4330H Type3 TGA-105 or JLR-4340H
AIS	TRA-1000	2019/01/01	Retrofit	
	TRA-2000	2022/01/01	To be Advised (TBA)	

If you have any questions, please contact to our Marine Sales or Marine Service Dept.

Contact information

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<http://www.tokyo-keiki.co.jp/marine/e/office.html>

Contact information website form

<http://www.tokyo-keiki.co.jp/marine/e/inquiry.html>