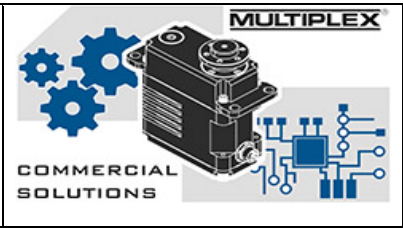


## Product Change Notification



<b>TITLE</b>	Change Notice_FW Change Notice_D71MH D954SW D1005SGT
<b>DATE</b>	2023.11.27
<b>VALID FROM</b>	1st quarter of 2024
<b>AFFECTED PRODUCT(S)</b>	D71MH, D954SW, D1005SGT
Please note: This change also affect all customized products based on affected products	

### CHANGE

- Firmware Update

Before change (FW Ver 1.4)	After (FW Ver 1.5)
<p><b>Control PWM recognition range setting</b></p> <ul style="list-style-type: none"> <li>- Recognition range: 800 ~ 2200 <math>\mu</math>s</li> <li>- FAIL SAFE range: 300 ~ 3000 <math>\mu</math>s</li> </ul> <p>* Recognition range: FAIL SAFE activated when outside the range</p> <p>** Movement range: Limits the actual movement range among recognized signals</p> <p><b>Servo operation when control PWM is disconnected</b> (Example: 1500 us is recognized as 900)</p> <ul style="list-style-type: none"> <li>- Go to position 900 <math>\mu</math>s</li> </ul>	<p><b>Low-power motor servo product tuning</b></p> <ul style="list-style-type: none"> <li>- Expect a longer-life time for D71MH</li> </ul> <p><b>Control PWM recognition range setting</b></p> <ul style="list-style-type: none"> <li>- Recognition range: 650 ~ 2350 <math>\mu</math>s</li> <li>- Movement range: 850 ~ 2350 <math>\mu</math>s</li> </ul> <p><b>Servo operation when control PWM is disconnected</b> (Example: 1500 us is recognized as 900)</p> <ul style="list-style-type: none"> <li>- Stops after moving a bit</li> </ul>

### REMARKS

- Even if the change is applied, please note that the previous version of the stock would be shipped for a certain period.

<b>TOPIC</b>	Firmware change from version 1.4 to 1.5
<b>EXPLANATION</b>	The firmware has been updated to cover a wider PWM range, increase the life span of the MD71MH and prevent unwanted servo horn deflections in the event of signal loss.
<b>RISK ASSESSMENT</b>	No negative effect to the function or quality of the device
<b>BENEFIT</b>	Increase product firmware stability, safe operation and life span (D71MH)

	Name	Role	Date
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Reviewed by	S. Zajonz	Head of devision	2023-11-27
Approved	Lauber	Technical dept.	2024-02-12

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