

This document captures ideas, experiences, and informal recommendations from the Yaskawa Partner Support team. It is meant to augment – not supersede manuals or documentation from motoman.com. Please contact the Partner Support team at partnersupport@motoman.com for updates or clarification.

Turn Off the Default Safety Playback Speed in MotoSim

Introduction

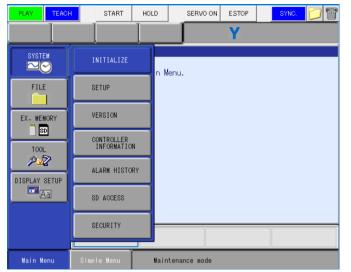
Yaskawa's SMART Series of robots (HC10 and HC20) by default are set to safety speed for playback in MotoSim. To achieve the maximum speed of the robot, it is necessary to turn off the speed limiter.

Turning off Safety Speed

- 1. In the CONTROLLER Tab select MAINTENANCE MODE
 - a. The controller will reboot into Maintenance Mode.



2. Select SYSTEM/INITIALIZE



3. Scroll down and select OPTION FUNCTION

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				Υ	
SYSTEM FILE EX. MEMORY SO TOOL P DISPLAY SETUP A A	SETUP)			
Main Menu	Simple Menu	Mainte	enance mode		



Shared Integration Experience

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4. Scroll down to FUNCTIONAL SAFETY and select

PLAY	H START	HOLD	SERVO ON	E.STOP	SYNC. 📁 🞬
				Υ	
SYSTEM FILE EX. MEMORY SO TOOL DISPLAY SETUP TOOL	□027 COORDIN □028 STATION □030 LIMITS (E JOB SI L. . REFERENC . START IN ANGLE DIS JUSTOMIZAT . SWITCHIN INDICATIO IN DAME E ALLOCATI TO NAME E ALLOCATI	NSTRUCTION RUCTION SPLAY FION NG DN IN JOB LON	NOT U NOT U NOT U NOT U O NOT U DETAI USED NOT U NOT U DETAI DETAI	SED SED SED SED SED L SED L SED L
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5. Scroll down to "Speed Limit" and select DISABLE.

PLAY	TEACH	START	HOLD	SERVO	ON ESTOP	SYNC.	
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SYSTE	M	nctional sa	fety [Fu	nction set	ting]		
Fund		nctional sa nnection se			NOT USED DETAIL		
	FILE Speed Limit(DelayTimeInitVal) DISABLE Tool change monitor/Tool number select NOT USED						
EX. MEM	ORY						
TOOL							
DISPLAY SETUP							
Main Me	enu Si	imple Menu	Main	tenance mod	e		

7. Select END to reboot the

controller into normal mode.

VRC Mair	\times				
VRC.BIN Path D:\OneDrive - Yaskawa Motoman Ri					
	Start	End			

6. Select YES to make the changes.

