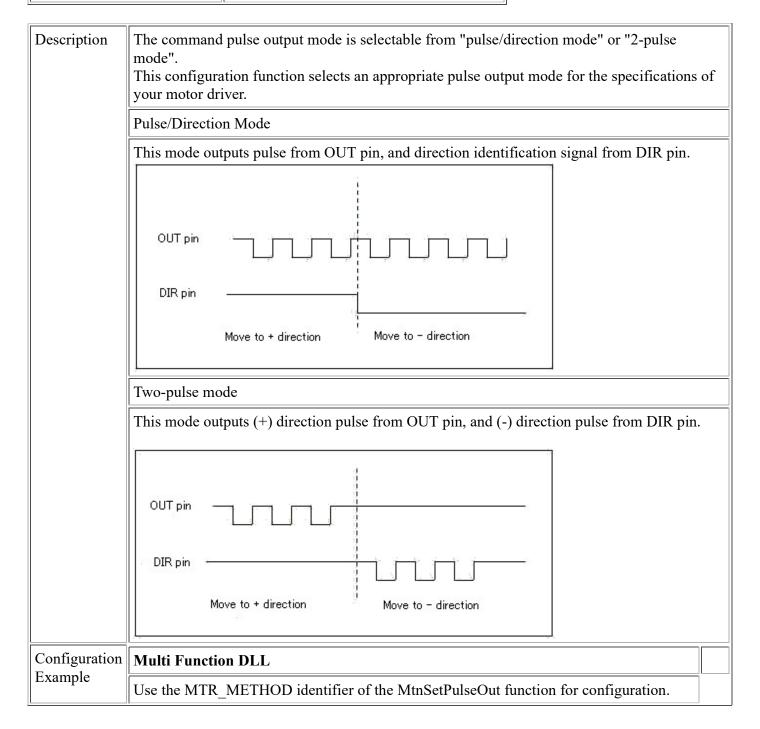
Pulse Output Mode

Configurable number of axes Four axes can be configured independently.



Output Logic for OUT Signal and DIR Signal

Configurable number of axes Four axes can be configured independently.

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Description	The output logic (Positive/negative logic) for OUT and DIR signals which output pulse can be configured.						
	Positive/Negative Logic Configuration in Pulse/Direction Mode						
	The pulse/direction mode can configure the following 4 patterns of positive/negative logics.						
	Logic configuration		(+) direction motion		(-) direction motion		
	OUT	DIR	OUT output	DIR output	OUT output	DIR output	
	Negative	Negative					
	Positive	Negative					
	Negative	Positive					
	Positive	Positive					
	Positive/Negative Logic Configuration in Two-Pulse Mode						
	The 2-pulse mode can configure the following 2 patterns of positive/negative logics.						
	Logic configuration		(+) direction motion		(-) direction motion		
	OUT	DIR	OUT output	DIR output	OUT output	DIR output	
	Negative	Negative					
	Positive	Positive					
Configuration							
Example	Multi Fu	inction DI	L				
	Use the I	MTR_MET	HOD identifier of	the MtnSetPulseC	Out function for cor	nfiguration.	

Direction Switching Timer Motion

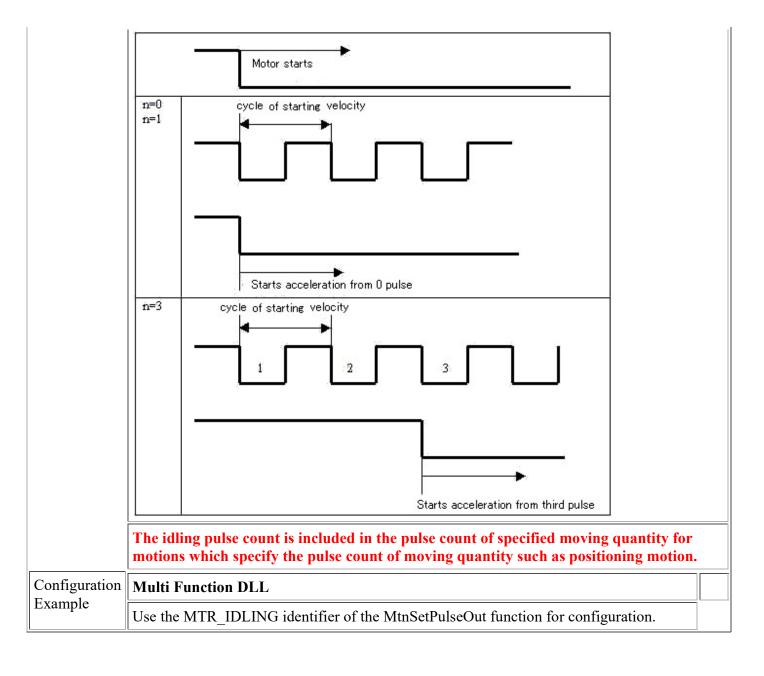
Configurable number of axes	Four axes can be configured independently.
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Description	This function is used to make some time between the change of the direction discriminant signal and reception of the command pulse in a motor driver of pulse/direction mode. By enabling this configuration, motion start delays for the time of the direction switching timer (approximately 200µs) after the direction discriminant signal changes.
	Multi Function DLL
Example	Use the MTR_METHOD identifier of the MtnSetPulseOut function for configuration.

Idling Pulse Output

Configurable number of axes	Four axes can be configured independently.
Configurable number of axes	I our axes can be configured independently.

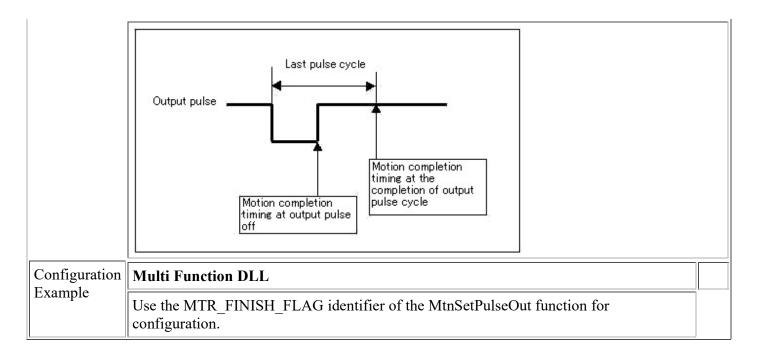
Description	This function start to accelerate after outputting a couple of pulses at a start-up velocity when acceleration and deceleration motion starts. To avoid step-out of stepping motor, set the start-up velocity to faster rate in acceleration and deceleration control of the stepping motor.				
	Configuration of Idling Pulse and Acceleration Timing				
	Starts to accelerate at the timing of outputting the n th pulse.				
	The acceleration timing is as follows.				



Pulse Output Completion Timing

Configurable number of axes Four axes can be configured independently.

Description	The timing at pulse output stop (motor stop) is selectable from the followings.		
	When the cycle of output frequency is completed		
	The motion is regarded as completion when the last pulse cycle is completed. The down-time of pulse output is secured even if the output start again immediately after stop.		
	When pulse is off		
	The motion is completed without waiting until the last pulse cycle finishes.		
When INP signal is input			



Output Pulse Width Control

onfigurable number of ax	Four axes can be configured independently.
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Description	The function controls the output pulse width to make the stop timing faster.
	When the velocity of output pulse is lower than approximately 2.4 KHz, which is 1/8192 of base clock (19.6608 MHz), the pulse width is constant; 4096 cycles (approximately 200 µs) of base clock. If the velocity is faster than it, the duty ratio is constant; approximately 50 %. The output pulse width can be fixed to approximately 50%.
	Multi Function DLL
Example	Use the MTR_METHOD identifier of the MtnSetPulseOut function for configuration.

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