

The DRV2605 and DRV2605L from Texas Instruments are functionally similar, the DRV2605L is available in a 10VSSOP package and is used in the Haptic Feedback Evaluation Kit. However, you should be able to use the library with either chip. If you have any issues in Development mode, <u>please contact us</u>.

Parent N	Notes	Function Syntax		Description		Parameters	Returns
		selectMotor(motorID);		Selects the output me	otor on the grip. Required even if using	motorID: uint8_t	Void
		selectiviotor[motorID];		external actuator	· · · ·	niotonia: uinto_t	
		isCalibrated();		Checks to see if selected actuator has undergone calibration		None	Boolean Value True = calibrated False = not calibrated
		autoCalibrate();		Runs auto calibration	on selected motor	None	Void
DR Motor.cpp vit Onl	Recommended object:	DiavvidAlent waveform . pwr . on time . off time 1:		Plays vibration alert on selected actuator, LRA is not supported so motorID # 3		waveform: uint8_t pwr: uint8_t onTime: uint8_t offTime: uint8_t	Void
	Motor motor = Motor(); The Motor object encapsulates DRV2605 functionality and gives			Plays haptic effect from DRV2605 on selected actuator. If LRA is selected (motor ID = 3) then library 6 must be used		library: uint8_t effect: uint8_t	Void
	simpler interface to playing vibration alerts and haptic effect	getMotorID[];		Gets current motorID		None	Int
	Only one should be instantiated a time, as demonstrated in the IntroMode and EngineeringMod			Checks to see if an actuator is playing a haptic effect		None	Boolean Value True = playing False = not playing
	sketchs			Checks to see if an actuator is playing a vibration alert. Note 'off times' return a true value		None	Boolean Value True = playing False = not playing
		stopVibAlert();		Immediatly stops the effect / vibration alert being played		None	Void
		getMotorName();		Returns actuator product code		None	Char string
		isPlayingAudio[);		Checks to see if DRV2605 is in Audio-to-Haptic mode		None	Int value equal to 1 if in
				Haptic-to-Audio mode with calibration for motors		withKeyPress: bool	Audio-to-Haptic
Recommended object: extern DRV2605 drv2605; The DRV2605 class abstracts avaithe 12C communications to the DRV2605 chip, providing a streamlined interface for playing effects. Only one DRV2605 object should be instantiated. If using the DRV2605 object from the Moto class use 'extern', as above	autoCal(ratedVoltage , overdriveClamp , LRA , compensation , backEMF , feedback);		Manually adjusts features in the DRV2605		ratedVoltage: uint8_t overdriveClamp: uint8_t LRA: boolean compensation: uint8_t* backEMF: uint8_t* feedback: uint8_t*	Boolean Value True = successful False = not successful	
	the I2C communications to the DRV2605 chip, providing a streamlined interface for playin effects. Only one DRV2605 obje should be instantiated. If using ti DRV2605 object from the Moto			Plays haptic effect from DRV2605 on selected actuator. Manually adjusts the features in the DRV2605		library: uint8_t effect: uint8_t ratedVoltage: uint8_t overdriveClamp: uint8_t backEMF: uint8_t feedback: uint8_t	Void
	class use extern, as above			Enters the Audio-to-Haptic on DRV2605. Audio signal is on PWM input pin, requires motor calibration		LRA_AUDIO: uint8_t ratedVoltage: uint8_t overdriveClamp: uint8_t	Void
						compensation: uint8_t backEMF: uint8_t	
debug.cpp	N/A	freeRAM();			nused RAM space in DRV2605		Int
debug.cpp Parameter		freeRAM(): Values				backEMF: uint8_t	Int
	Type & Limits)2 3 = C10-	Returns amount of u	nused RAM space in DRV2605	backEMF: uint8_t	Int
Parameter	Type & Limits 0≤int≤3	Values		Returns amount of u	nused RAM space in DRV2605 Description	backEMF: uint8_t None	Int
Parameter motorID	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 3	Values 0 = 304-103 1 = 306-109 2 = 308-10		Returns amount of u	nused RAM space in DRV2605 Description Selects the output actuator	backEMF: uint8_t None bration alerts	Int
Parameter motorID waveform	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 3	Values 0 = 304-103 1 = 306-109 2 = 308-10 0 = Square 1 = Sine 2 = Triangle		Returns amount of u	nused RAM space in DRV2605 Description Selects the output actuator Changes the output waveform for vi	backEMF: uint8_t None bration alerts waveform	Int
Parameter motorID waveform pwr	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255	Values 0 = 304-103 1 = 306-109 2 = 308-10 0 = Square 1 = Sine 2 = Triangle 0% - 100%		Returns amount of u	nused RAM space in DRV2605 Description Selects the output actuator Changes the output waveform for vi Peak output strength of the selected	backEMF: uint8_t None bration alerts waveform rates for	Int
Parameter motorID waveform pwr onTime offTim	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255	Values D = 304-103 1 = 306-109 2 = 308-10 D = Square 1 = Sine 2 = Triangle 2% - 100% Frenths of Seconds		Returns amount of u	nused RAM space in DRV2605 Description Selects the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration ale	backEMF: uint8_t None bration alerts waveform rates for erts	Int
Parameter motorID waveform pwr onTime offTim library	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 0 ≤ int ≤ 255 1 ≤ int ≤ 6	Values 0 = 304-103 1 = 306-109 2 = 308-10 0 = Square 1 = Sine 2 = Triangle 0% - 100% 1 1 Fenths of Seconds 1 1 1 - 5 for ERMs, 6 for LRAs 1 1		Returns amount of u	nused RAM space in DRV2605 Description Selects the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration aler The haptic library on the DRV2605L	backEMF: uint8_t None bration alerts waveform rates for erts to be used	Int
Carameter motorID waveform pwr onTime offTim library effect	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 0 ≤ int ≤ 255 1 ≤ int ≤ 6 1 ≤ int ≤ 123	Values 0 = 304-103 1 = 306-109 2 = 308-10 0 = Square 1 = Sine 2 = Triangle 0% - 100% 1 1 Tenths of Seconds 1 1 Tenths of Seconds 1 5 See Effect ID table 1 1	: 3 = Sawtoo	Returns amount of u	Description Selects the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration aler The haptic library on the DRV2605L t	backEMF: uint8_t None bration alerts waveform rates for erts to be used o bused	Int
Carameter motorID waveform pwr onTime offTim library effect ratedVoltage	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 0 ≤ int ≤ 255 1 ≤ int ≤ 6 1 ≤ int ≤ 123 0 ≤ int ≤ 255	Values 0 = 304-103 1 = 306-109 2 = 308-10 0 = Square 1 = Sine 2 = Triangle 0% - 100% 7 7 Frenths of Seconds 7 7 Fenths of Seconds 7 7 1 - 5 for ERMs, 6 for LRAs 7 7 See Effect ID table 7 7	2 3 = Sawtoo 02118	Returns amount of u	nused RAM space in DRV2605 Description Selects the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration aler The haptic library on the DRV2605L to See full DRV2605L datasheet for LRA	backEMF: uint8_t None bration alerts waveform rates for erts to be used o be used voltage	Int
Carameter motorID waveform pwr onTime offTim library effect ratedVoltage overdriveClamp	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 0 ≤ int ≤ 255 1 ≤ int ≤ 6 1 ≤ int ≤ 123 0 ≤ int ≤ 255	Values 0 = 304-103 1 = 306-109 2 = 308-10 0 = Square 1 = Sine 2 = Triangle 0% - 100% Fenths of Seconds Fenths of Seconds 1 - 5 for ERMs, 6 for LRAs See Effect ID table Voltage applied to ERM = ratedVoltage x 0. Voltage applied to ERM = overdriveClamp >	2 3 = Sawtoo 02118	Returns amount of u	Description Selects the output actuator Changes the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration aler The haptic library on the DRV2605L The haptic effect on the DRV2605L to See full DRV2605L datasheet for LRA See full DRV2605L datasheet for LRA	backEMF: uint8_t None bration alerts waveform rates for erts to be used o be usedvoltagevoltage	
Carameter motorID waveform pwr onTime offTim library effect ratedVoltage overdriveClamp LRA	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 0 ≤ int ≤ 255 1 ≤ int ≤ 6 1 ≤ int ≤ 123 0 ≤ int ≤ 255	Values 0 = 304-103 1 = 306-109 2 = 308-10 0 = Square 1 = Sine 2 = Triangle 2% - 100% Fenths of Seconds Fenths of Seconds 1 - 5 for ERMs, 6 for LRAs See Effect ID table Voltage applied to ERM = ratedVoltage x 0. Voltage applied to ERM = overdriveClamp > Frue = LRA Mode, False = ERM Mode	2 3 = Sawtoo 02118 0.02159	Returns amount of u	Description Selects the output actuator Changes the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration ale The haptic library on the DRV2605L The haptic effect on the DRV2605L to See full DRV2605L datasheet for LRA See full DRV2605L datasheet for LRA	backEMF: uint8_t None bration alerts waveform rates for erts to be used o be used voltage voltage V2605L in to LRA or ERM mo	
Compensation	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 0 ≤ int ≤ 255 1 ≤ int ≤ 6 1 ≤ int ≤ 123 0 ≤ int ≤ 255 bool 0 ≤ int ≤ 255	Values D = 304-103 1 = 306-109 2 = 308-10 D = Square 1 = Sine 2 = Triangle 2% - 100% Tenths of Seconds Tenths of Seconds 1 - 5 for ERMs, 6 for LRAs See Effect ID table Voltage applied to ERM = ratedVoltage x 0. Voltage applied to ERM = overdriveClamp of True = LRA Mode, False = ERM Mode Auto Calibration Compensation Coefficient =	2 3 = Sawtoo 02118 0.02159 = 1 + compensatio	Returns amount of u 100 th	Description Selects the output actuator Changes the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration ale The haptic library on the DRV2605L The haptic effect on the DRV2605L See full DRV2605L datasheet for LRA Sees full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for re	backEMF: uint8_t None bration alerts waveform rates for erts to be used to be used . voltage . voltage V2605L in to LRA or ERM mo esistive losses in the driver	de
Arameter motorID waveform pwr onTime offTim library effect ratedVoltage overdriveClamp LRA Compensation backEMF	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 0 ≤ int ≤ 255 1 ≤ int ≤ 6 1 ≤ int ≤ 123 0 ≤ int ≤ 255	Values D = 304-103 1 = 306-109 2 = 308-10 D = Square 1 = Sine 2 = Triangle D% - 100% Tenths of Seconds Tenths of Seconds	2 3 = Sawtoo 02118 0.02159 = 1 + compensatio	Returns amount of u 100 th	Description Selects the output actuator Changes the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration aler The haptic library on the DRV2605L The haptic effect on the DRV2605L t See full DRV2605L datasheet for LRA See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for m	backEMF: uint8_t None bration alerts waveform rates for erts to be used voltage voltage V2605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain	de is set by feedback
Compensation backEMF feedback	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 0 ≤ int ≤ 255 1 ≤ int ≤ 6 1 ≤ int ≤ 123 0 ≤ int ≤ 255 0 ≤ int ≤ 255 0 ≤ int ≤ 255 bool 0 ≤ int ≤ 255 0 ≤ int ≤ 255 bool 0 ≤ int ≤ 255 0 ≤ int ≤ 255 int ≤ pecific values only	Values D = 304-103 1 = 306-109 2 = 308-10 D = Square 1 = Sine 2 = Triangle 2% - 100% Tenths of Seconds Tenths of Seconds 1 - 5 for ERMs, 6 for LRAs See Effect ID table Voltage applied to ERM = ratedVoltage x 0. Voltage applied to ERM = overdriveClamp of True = LRA Mode, False = ERM Mode Auto Calibration Compensation Coefficient =	2 3 = Sawtoo 02118 0.02159 = 1 + compensatio / 255] x (2.88 V / f	Returns amount of u	Description Selects the output actuator Changes the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration aler The haptic library on the DRV2605L The haptic cffect on the DRV2605L t See full DRV2605L datasheet for LRA See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts results for back EMI Manually adjusts feedback control re	backEMF: uint8_t None bration alerts waveform rates for erts to be used voltage voltage V2605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain	de is set by feedback asheet for details
Compensation backEMF cegister	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 0 ≤ int ≤ 255 1 ≤ int ≤ 6 1 ≤ int ≤ 255 0 ≤ int ≤ 255 0 ≤ int ≤ 255 0 ≤ int ≤ 255 bool 0 ≤ int ≤ 255 0 ≤ int ≤ 255 int ≤ 255 0 ≤ int ≤ 255 int ≤ 255 0 ≤ int ≤ 255 Name	Values D = 304-103 1 = 306-109 2 = 308-10 D = Square 1 = Sine 2 = Triangle D% - 100% Tenths of Seconds Tenths of Seconds	2 3 = Sawtoo 02118 0.02159 1 + compensatio (255) × (2.88 V/ f Datasheet	Returns amount of u 100 th m / 255 3EMFGain) Register	Description Selects the output actuator Changes the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration ale The haptic library on the DRV2605L to The haptic effect on the DRV2605L to See full DRV2605L datasheet for LRA See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts results for back EMI Manually adjusts feedback control re Name	backEMF: uint8_t None bration alerts waveform rates for erts to be used o be used voltage vv2605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data	de is set by feedback isheet for details Datashee
Compensation backEMF feedback back	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 0 ≤ int ≤ 255 1 ≤ int ≤ 123 0 ≤ int ≤ 255 0 ≤ int ≤ 255 </td <td>Values D = 304-103 1 = 306-109 2 = 308-10 D = Square 1 = Sine 2 = Triangle D% - 100% Tenths of Seconds Tenths of Seconds</td> <td>2 3 = Sawtoo 02118 0.02159 = 1 + compensatio (255) × (2.88 V/ F Datasheet pg 34</td> <td>Returns amount of u</td> <td>Description Selects the output actuator Changes the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration ale The haptic library on the DRV2605L it The haptic effect on the DRV2605L to See full DRV2605L datasheet for LRA See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for m Manually adjusts feedback control re Name Auto-to-Vibe Maximum Output</td> <td>backEMF: uint8_t None bration alerts waveform rates for erts to be used o be used voltage vv2605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data</td> <td>de is set by feedback asheet for details Datashee pg 41</td>	Values D = 304-103 1 = 306-109 2 = 308-10 D = Square 1 = Sine 2 = Triangle D% - 100% Tenths of Seconds Tenths of Seconds	2 3 = Sawtoo 02118 0.02159 = 1 + compensatio (255) × (2.88 V/ F Datasheet pg 34	Returns amount of u	Description Selects the output actuator Changes the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration ale The haptic library on the DRV2605L it The haptic effect on the DRV2605L to See full DRV2605L datasheet for LRA See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for m Manually adjusts feedback control re Name Auto-to-Vibe Maximum Output	backEMF: uint8_t None bration alerts waveform rates for erts to be used o be used voltage vv2605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data	de is set by feedback asheet for details Datashee pg 41
arameter motorID waveform pwr onTime offTim library effect ratedVoltage overdriveClamp LRA Compensation backEMF feedback egister 0x00 0x01	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 0 ≤ int ≤ 255 1 ≤ int ≤ 123 0 ≤ int ≤ 255 255 10 ≤ int ≤ 255 255 <	Values D = 304-103 1 = 306-109 2 = 308-10 D = Square 1 = Sine 2 = Triangle 2% - 100% Tenths of Seconds Tenths of Seconds Tenths of Seconds 1 - 5 for ERMs, 6 for LRAs See Effect ID table Voltage applied to ERM = ratedVoltage x 0. Voltage applied to ERM = overdriveClamp x True = LRA Mode, False = ERM Mode Auto Calibration Compensation Coefficient = Auto Calibration Back EMF (V) = (backEMF / V/A	2 3 = Sawtoo 02118 0.02159 1 + compensatio (255) × (2.88 V/ B Datasheet pg 34 pg 35	Returns amount of u	Description Selects the output actuator Changes the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration alert The haptic library on the DRV2605L The haptic effect on the DRV2605L The haptic effect on the DRV2605L See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for r Manually adjusts feedback control re Name Audio-to-Vibe Maximum Output Rated Voltage Register	backEMF: uint8_t None bration alerts waveform rates for erts to be used o be used voltage vvltage vvltage tv2605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data it Drive Register	de is set by feedback asheet for details Datashee pg 41 pg 41
arameter motorID waveform pwr onTime offTim library effect ratedVoltage overdriveClamp LRA Compensation backEMF feedback egister 0x00 0x01 0x02	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 0 ≤ int ≤ 255 1 ≤ int ≤ 123 0 ≤ int ≤ 255 0 ≤ int ≤ 255 </td <td>Values D = 304-103 1 = 306-109 2 = 308-10 D = Square 1 = Sine 2 = Triangle 2% - 100% Tenths of Seconds Tenths of Seconds Tenths of Seconds 1 - 5 for ERMs, 6 for LRAs See Effect ID table Voltage applied to ERM = ratedVoltage x 0. Voltage applied to ERM = overdriveClamp x True = LRA Mode, False = ERM Mode Auto Calibration Compensation Coefficient = Auto Calibration Back EMF (V) = (backEMF / V/A</td> <td>2 3 = Sawtoo 02118 0.02159 = 1 + compensatio (255) × (2.88 V/ F Datasheet pg 34</td> <td>Returns amount of u</td> <td>Description Selects the output actuator Changes the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration ale The haptic library on the DRV2605L it The haptic effect on the DRV2605L to See full DRV2605L datasheet for LRA See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for m Manually adjusts feedback control re Name Auto-to-Vibe Maximum Output</td> <td>backEMF: uint8_t None bration alerts waveform rates for erts to be used o be used voltage vvltage vvltage tv2605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data it Drive Register</td> <td>de is set by feedback asheet for details Datashee pg 41</td>	Values D = 304-103 1 = 306-109 2 = 308-10 D = Square 1 = Sine 2 = Triangle 2% - 100% Tenths of Seconds Tenths of Seconds Tenths of Seconds 1 - 5 for ERMs, 6 for LRAs See Effect ID table Voltage applied to ERM = ratedVoltage x 0. Voltage applied to ERM = overdriveClamp x True = LRA Mode, False = ERM Mode Auto Calibration Compensation Coefficient = Auto Calibration Back EMF (V) = (backEMF / V/A	2 3 = Sawtoo 02118 0.02159 = 1 + compensatio (255) × (2.88 V/ F Datasheet pg 34	Returns amount of u	Description Selects the output actuator Changes the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration ale The haptic library on the DRV2605L it The haptic effect on the DRV2605L to See full DRV2605L datasheet for LRA See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for m Manually adjusts feedback control re Name Auto-to-Vibe Maximum Output	backEMF: uint8_t None bration alerts waveform rates for erts to be used o be used voltage vvltage vvltage tv2605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data it Drive Register	de is set by feedback asheet for details Datashee pg 41
arameter motorID waveform pwr onTime offTim library effect ratedVoltage overdriveClamp LRA Compensation backEMF feedback egister 0x00 0x01	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 0 ≤ int ≤ 255 1 ≤ int ≤ 123 0 ≤ int ≤ 255 255 10 ≤ int ≤ 255 255 <	Values D = 304-103 1 = 306-109 2 = 308-10 D = Square 1 = Sine 2 = Triangle 2% - 100% Tenths of Seconds Tenths of Seconds Tenths of Seconds 1 - 5 for ERMs, 6 for LRAs See Effect ID table Voltage applied to ERM = ratedVoltage x 0. Voltage applied to ERM = overdriveClamp x True = LRA Mode, False = ERM Mode Auto Calibration Compensation Coefficient = Auto Calibration Back EMF (V) = (backEMF / V/A	2 3 = Sawtoo 02118 0.02159 1 + compensatio (255) × (2.88 V/ B Datasheet pg 34 pg 35	Returns amount of u	Description Selects the output actuator Changes the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration alert The haptic library on the DRV2605L The haptic effect on the DRV2605L The haptic effect on the DRV2605L See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for r Manually adjusts feedback control re Name Audio-to-Vibe Maximum Output Rated Voltage Register	backEMF: uint8_t None bration alerts waveform rates for erts to be used voltage voltage voltage voltage tv2605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data it Drive Register ter	de is set by feedback isheet for details Datashee pg 41 pg 42 pg 42 pg 42
arameter motorID waveform pwr onTime offTim library effect ratedVoltage overdriveClamp LRA Compensation backEMF feedback egister 0x00 0x01 0x02	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 1 ≤ int ≤ 255 1 ≤ int ≤ 123 0 ≤ int ≤ 255 1 ≤ int ≤ 255 0 ≤ int ≤ 255 </td <td>Values D = 304-103 1 = 306-109 2 = 308-10 D = Square 1 = Sine 2 = Triangle D% - 100% Tenths of Seconds Tenths of Seconds Tenths of Seconds To 5 for ERMs, 6 for LRAs See Effect ID table /oltage applied to ERM = ratedVoltage x 0. /oltage applied to ERM = overdriveClamp > True = LRA Mode, False = ERM Mode Auto Calibration Compensation Coefficient * Auto Calibration Back EMF (V) = (backEMF / V/A Register Register</td> <td>02118 0.02159 1 + compensation (255) x (2.88 V/ P Datasheet pg 34 pg 35 pg 36</td> <td>Returns amount of u</td> <td>Description Selects the output actuator Changes the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration alert The haptic library on the DRV2605L The haptic effect on the DRV2605L See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for r Manually adjusts feedback control re Name Audio-to-Vibe Maximum Output Rated Voltage Register</td> <td>backEMF: uint8_t None bration alerts waveform rates for erts to be used voltage V2605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data at Drive Register ter h-Result Register</td> <td>de is set by feedback isheet for details Datasheet pg 41 pg 41 pg 42</td>	Values D = 304-103 1 = 306-109 2 = 308-10 D = Square 1 = Sine 2 = Triangle D% - 100% Tenths of Seconds Tenths of Seconds Tenths of Seconds To 5 for ERMs, 6 for LRAs See Effect ID table /oltage applied to ERM = ratedVoltage x 0. /oltage applied to ERM = overdriveClamp > True = LRA Mode, False = ERM Mode Auto Calibration Compensation Coefficient * Auto Calibration Back EMF (V) = (backEMF / V/A Register Register	02118 0.02159 1 + compensation (255) x (2.88 V/ P Datasheet pg 34 pg 35 pg 36	Returns amount of u	Description Selects the output actuator Changes the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration alert The haptic library on the DRV2605L The haptic effect on the DRV2605L See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for r Manually adjusts feedback control re Name Audio-to-Vibe Maximum Output Rated Voltage Register	backEMF: uint8_t None bration alerts waveform rates for erts to be used voltage V2605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data at Drive Register ter h-Result Register	de is set by feedback isheet for details Datasheet pg 41 pg 41 pg 42
arameter motorID waveform pwr onTime offTim library effect ratedVoltage werdriveClamp LRA Compensation backEMF feedback egister 0x00 0x01 0x02 0x03	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 0 ≤ int ≤ 255 1 ≤ int ≤ 6 1 ≤ int ≤ 123 0 ≤ int ≤ 255 0 ≤ int ≤ 255 <td>Values D = 304-103 1 = 306-109 2 = 308-10 D = Square 1 = Sine 2 = Triangle D% - 100% Tenths of Seconds Tenths of Seconds Tenths of Seconds To 5 for ERMs, 6 for LRAs See Effect ID table /oltage applied to ERM = ratedVoltage x 0. /oltage applied to ERM = overdriveClamp > True = LRA Mode, False = ERM Mode Auto Calibration Compensation Coefficient * Auto Calibration Back EMF (V) = (backEMF / V/A Register Register</td> <td>2 3 = Sawtoo 02118 0.02159 1 + compensatio (255) × (2.88 V / B Datasheet pg 34 pg 35 pg 36 pg 36</td> <td>Returns amount of u</td> <td>Description Selects the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time the vibration alert vib Length of time between vibration alert The haptic library on the DRV2605L The haptic library on the DRV2605L to See full DRV2605L datasheet for LRA See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for m Manually adjusts feedback control reference Namuelly Audio-to-Vibe Maximum Output Rated Voltage Register Overdrive Clamp Voltage Registor Audio-Calibration Compensation</td> <td>backEMF: uint8_t None bration alerts waveform rates for erts to be used voltage V2605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data at Drive Register ter h-Result Register</td> <td>de is set by feedback isheet for details Datashee pg 41 pg 42 pg 42 pg 42</td>	Values D = 304-103 1 = 306-109 2 = 308-10 D = Square 1 = Sine 2 = Triangle D% - 100% Tenths of Seconds Tenths of Seconds Tenths of Seconds To 5 for ERMs, 6 for LRAs See Effect ID table /oltage applied to ERM = ratedVoltage x 0. /oltage applied to ERM = overdriveClamp > True = LRA Mode, False = ERM Mode Auto Calibration Compensation Coefficient * Auto Calibration Back EMF (V) = (backEMF / V/A Register Register	2 3 = Sawtoo 02118 0.02159 1 + compensatio (255) × (2.88 V / B Datasheet pg 34 pg 35 pg 36 pg 36	Returns amount of u	Description Selects the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time the vibration alert vib Length of time between vibration alert The haptic library on the DRV2605L The haptic library on the DRV2605L to See full DRV2605L datasheet for LRA See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for m Manually adjusts feedback control reference Namuelly Audio-to-Vibe Maximum Output Rated Voltage Register Overdrive Clamp Voltage Registor Audio-Calibration Compensation	backEMF: uint8_t None bration alerts waveform rates for erts to be used voltage V2605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data at Drive Register ter h-Result Register	de is set by feedback isheet for details Datashee pg 41 pg 42 pg 42 pg 42
arameter motorID waveform pwr onTime offTim library effect ratedVoltage werdriveClamp LRA Compensation backEMF eedback egister 0x00 0x01 0x02 0x03 0x04:0x0B	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 1 ≤ int ≤ 255 1 ≤ int ≤ 255 0 ≤ int ≤ 255 </td <td>Values D = 304-103 1 = 306-109 2 = 308-10 2 = Triangle 2 = Triangle 2</td> <td>2 3 = Sawtoo 02118 0.02159 1 + compensatio (255) x (2.88 V/ E Datasheet pg 34 pg 35 pg 36 pg 36 pg 37</td> <td>Returns amount of u</td> <td>Description Selects the output actuator Changes the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration aler The haptic library on the DRV2605L The haptic effect on the DRV2605L The haptic effect on the DRV2605L stassheet for LRA See full DRV2605L datasheet for LRA See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts results for back EMI Manually adjusts feedback control re Name Audio-to-Vibe Maximum Output Rated Voltage Register Overdrive Clamp Voltage Regist Auto-Calibration Compensation</td> <td>backEMF: uint8_t None bration alerts waveform rates for erts to be used voltage V2605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data at Drive Register ter h-Result Register</td> <td>de is set by feedback asheet for details Datashee pg 41 pg 42 pg 42 pg 42 pg 42</td>	Values D = 304-103 1 = 306-109 2 = 308-10 2 = Triangle 2	2 3 = Sawtoo 02118 0.02159 1 + compensatio (255) x (2.88 V/ E Datasheet pg 34 pg 35 pg 36 pg 36 pg 37	Returns amount of u	Description Selects the output actuator Changes the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration aler The haptic library on the DRV2605L The haptic effect on the DRV2605L The haptic effect on the DRV2605L stassheet for LRA See full DRV2605L datasheet for LRA See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts results for back EMI Manually adjusts feedback control re Name Audio-to-Vibe Maximum Output Rated Voltage Register Overdrive Clamp Voltage Regist Auto-Calibration Compensation	backEMF: uint8_t None bration alerts waveform rates for erts to be used voltage V2605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data at Drive Register ter h-Result Register	de is set by feedback asheet for details Datashee pg 41 pg 42 pg 42 pg 42 pg 42
arameter motorID waveform pwr onTime offTim library effect ratedVoltage werdriveClamp LRA Compensation backEMF deedback egister 0x00 0x01 0x02 0x03 0x04:0x0B	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 0 ≤ int ≤ 255 1 ≤ int ≤ 255 0 ≤ int ≤ 255 </td <td>Values Values S S S S S S S S S S S S S S S S S S S</td> <td>3 = Sawtoo 02118 0.02159 • 1 + compensatio / 255] × (2.88 V / f Datasheet pg 34 pg 35 pg 36 pg 36 pg 37 pg 37</td> <td>Returns amount of u Toth Toth Toth</td> <td>Nussed RAM space in DRV2605 Description Selects the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time the vibration alert vib Length of time between vibration alert The haptic library on the DRV2605L The haptic cffect on the DRV2605L th See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for ri Manually adjusts feedback control re Vame Audio-to-Vibe Maximum Output Rated Voltage Register Overdrive Clamp Voltage Registor Auto-Calibration Compensation Auto-Calibration Back-EMF Resitor Auto-Calibration Rack-EMF Resitor</td> <td>backEMF: uint8_t None bration alerts waveform rates for erts to be used voltage voltage v22605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data it Drive Register ter h-Result Register</td> <td>de is set by feedback asheet for details Datashee pg 41 pg 42 pg 42 pg 42 pg 42 pg 42 pg 42</td>	Values Values S S S S S S S S S S S S S S S S S S S	3 = Sawtoo 02118 0.02159 • 1 + compensatio / 255] × (2.88 V / f Datasheet pg 34 pg 35 pg 36 pg 36 pg 37 pg 37	Returns amount of u Toth Toth Toth	Nussed RAM space in DRV2605 Description Selects the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time the vibration alert vib Length of time between vibration alert The haptic library on the DRV2605L The haptic cffect on the DRV2605L th See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for ri Manually adjusts feedback control re Vame Audio-to-Vibe Maximum Output Rated Voltage Register Overdrive Clamp Voltage Registor Auto-Calibration Compensation Auto-Calibration Back-EMF Resitor Auto-Calibration Rack-EMF Resitor	backEMF: uint8_t None bration alerts waveform rates for erts to be used voltage voltage v22605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data it Drive Register ter h-Result Register	de is set by feedback asheet for details Datashee pg 41 pg 42 pg 42 pg 42 pg 42 pg 42 pg 42
arameter motorID waveform pwr onTime offTim library effect ratedVoltage verdriveClamp LRA Compensation backEMF feedback egister 0x00 0x01 0x02 0x03 0x04:0x0B 0x0C 0x0D	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 0 ≤ int ≤ 255 1 ≤ int ≤ 123 0 ≤ int ≤ 255 0 ≤ int ≤ 255 </td <td>Values D = 304-103 1 = 306-109 2 = 308-10 2 = Triangle 2 = Triangle 2</td> <td>2 3 = Sawtoo 02118 0.02159 1 + compensation (255) × (2.88 V/ R 0 35 pg 34 pg 35 pg 36 pg 37 pg 37 pg 38</td> <td>Returns amount of u</td> <td>Description Selects the output actuator Changes the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration aler The haptic library on the DRV2605L The haptic effect on the DRV2605L See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for r Manually adjusts feedback control re Name Audio-to-Vibe Maximum Output Rated Voltage Register Overdrive Clamp Voltage Regist Auto-Calibration Back-EMF Resi Feedback Control Register</td> <td>backEMF: uint8_t None bration alerts waveform rates for erts to be used voltage voltage v22605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data it Drive Register ter h-Result Register</td> <td>de is set by feedback asheet for details Datashee pg 41 pg 41 pg 42 pg 42 pg 42 pg 42 pg 43 pg 43 pg 44</td>	Values D = 304-103 1 = 306-109 2 = 308-10 2 = Triangle 2	2 3 = Sawtoo 02118 0.02159 1 + compensation (255) × (2.88 V/ R 0 35 pg 34 pg 35 pg 36 pg 37 pg 37 pg 38	Returns amount of u	Description Selects the output actuator Changes the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration aler The haptic library on the DRV2605L The haptic effect on the DRV2605L See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for r Manually adjusts feedback control re Name Audio-to-Vibe Maximum Output Rated Voltage Register Overdrive Clamp Voltage Regist Auto-Calibration Back-EMF Resi Feedback Control Register	backEMF: uint8_t None bration alerts waveform rates for erts to be used voltage voltage v22605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data it Drive Register ter h-Result Register	de is set by feedback asheet for details Datashee pg 41 pg 41 pg 42 pg 42 pg 42 pg 42 pg 43 pg 43 pg 44
arameter motorID waveform pwr onTime offTim library effect ratedVoltage verdriveClamp LRA Compensation backEMF feedback egister 0x00 0x01 0x02 0x03 0x04:0x0B 0x0C 0x0D 0x0C	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 0 ≤ int ≤ 255 1 ≤ int ≤ 123 0 ≤ int ≤ 255 0 ≤ int ≤ 255 </td <td>Values Values S S S S S S S S S S S S S S S S S S S</td> <td>2 3 = Sawtoo 02118 0.02159 1 + compensation (255) × (2.88 V/ R Pg 34 pg 34 pg 35 pg 36 pg 37 pg 37 pg 38 pg 38 pg 38</td> <td>Returns amount of u</td> <td>Number of the select of the output actuator Selects the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration alert vib Length of time between vibration alert vib The haptic library on the DRV2605L The haptic library on the DRV2605L See full DRV2605L datasheet for LRA See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for r Manually adjusts feedback control re Namually adjusts feedback control re Namually adjusts feedback control re Audio-to-Vibe Maximum Output Rated Voltage Register Overdrive Clamp Voltage Register Auto-Calibration Compensation Auto-Calibration Back-EMF Res Control1 Register Control2 Register</td> <td>backEMF: uint8_t None bration alerts waveform rates for erts to be used voltage voltage v22605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data it Drive Register ter h-Result Register</td> <td>de is set by feedback asheet for details pg 41 pg 41 pg 42 pg 42</td>	Values Values S S S S S S S S S S S S S S S S S S S	2 3 = Sawtoo 02118 0.02159 1 + compensation (255) × (2.88 V/ R Pg 34 pg 34 pg 35 pg 36 pg 37 pg 37 pg 38 pg 38 pg 38	Returns amount of u	Number of the select of the output actuator Selects the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration alert vib Length of time between vibration alert vib The haptic library on the DRV2605L The haptic library on the DRV2605L See full DRV2605L datasheet for LRA See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for r Manually adjusts feedback control re Namually adjusts feedback control re Namually adjusts feedback control re Audio-to-Vibe Maximum Output Rated Voltage Register Overdrive Clamp Voltage Register Auto-Calibration Compensation Auto-Calibration Back-EMF Res Control1 Register Control2 Register	backEMF: uint8_t None bration alerts waveform rates for erts to be used voltage voltage v22605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data it Drive Register ter h-Result Register	de is set by feedback asheet for details pg 41 pg 41 pg 42 pg 42
Parameter motorID waveform pwr onTime offTim library effect ratedVoltage overdriveClamp LRA Compensation backEMF feedback egister 0x00 0x01 0x02 0x03 0x03 0x04:0x0B 0x0C 0x0D 0x0C	Type & Limits $0 \le int \le 3$ $0 \le int \le 3$ $0 \le int \le 100$ $0 \le int \le 255$ $1 \le int \le 255$ $1 \le int \le 255$ $0 \le int \le 255$ $nt, specific values onlyNameStatus RegisterMode RegisterMode RegisterReal-Time Playback InputLibrary SelectionWaveforem Sequencer RGo RegisterOverdrive Time Offset, PositSustain Time Offset, PositSustain Time Offset, Register$	Values D = 304-103 1 = 306-109 2 = 308-10 2 = Triangle 2	3 = Sawtoo 02118 0.02159 1 + compensatio (255) × (2.88 V/F Pg 34 pg 34 pg 35 pg 36 pg 36 pg 37 pg 37 pg 38 pg 38 pg 38 pg 39	Returns amount of u	Nussed RAM space in DRV2605 Description Selects the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time between vibration alert vib The haptic effect on the DRV2605L See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts results for back EMI Manually adjusts feedback control reference Namue Audio-to-Vibe Maximum Output Rated Voltage Register Overdrive Clarmp Voltage Register Auto-Calibration Compensation Auto-Calibration Back-EMF Result Feedback Control Register Control1 Register Control2 Register	backEMF: uint8_t None bration alerts waveform rates for erts to be used voltage voltage v22605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data it Drive Register ter h-Result Register	de is set by feedback isheet for details pg 41 pg 42 pg 43
Parameter motorID waveform pwr onTime offTim library effect ratedVoltage oorerdriveClamp LRA Compensation backEMF feedback Cogister 0x00 0x01 0x02 0x03 0x04:0x0B 0x0E 0x0F 0x0F 0x10	Type & Limits $0 \le int \le 3$ $0 \le int \le 3$ $0 \le int \le 100$ $0 \le int \le 255$ $1 \le int \le 255$ $1 \le int \le 255$ $0 \le int \le 255$ $nt, specific values onlyNameStatus RegisterMode RegisterReal-Time Playback InputLibrary SelectionWaveforem Sequencer RGo RegisterOverdrive Time Offset, PositSustain Time Offset, PositSustain Time Offset, Register$	Values Values S S S S S S S S S S S S S S S S S S S	3 = Sawtoo 02118 0.02159 1 + compensatio (255) × (2.88 V/ F pg 34 pg 35 pg 36 pg 36 pg 37 pg 37 pg 37 pg 38 pg 38 pg 39 pg 39 pg 39	Returns amount of u	Number of the selected Description Selects the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time the vibration alert vib Length of time between vibration alert The haptic library on the DRV2605L The haptic effect on the DRV2605L st See full DRV2605L datasheet for LRA Sets bit 7 of register 0x1A, setting DR Manually adjusts compensation for m Manually adjusts feedback control ref Namually adjusts feedback control ref Audio-to-Vibe Maximum Output Rated Voltage Register Overdrive Clamp Voltage Register Auto-Calibration Compensation Auto-Calibration Back-EMF Rest Feedback Control Register Control1 Register Control2 Register Control4 Register	backEMF: uint8_t None bration alerts waveform rates for erts to be used o be used voltage V2605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data tt Drive Register ter ter ter ter	de is set by feedback sheet for details pg 41 pg 42 pg 42 pg 42 pg 42 pg 42 pg 42 pg 42 pg 42 pg 42 pg 43 pg 43 pg 44 pg 48 pg 49
Parameter motorID waveform pwr onTime offTim library effect ratedVoltage overdriveClamp LRA Compensation backEMF backEMF 0x00 0x01 0x02 0x03 0x03 0x03 0x04:0x0B 0x02 0x03 0x04:0x0B 0x0C 0x0C 0x0D 0x0C	Type & Limits 0 ≤ int ≤ 3 0 ≤ int ≤ 100 0 ≤ int ≤ 255 1 ≤ int ≤ 255 1 ≤ int ≤ 255 0 ≤ int ≤ 255 </td <td>Values Values S S S S S S S S S S S S S S S S S S S</td> <td>3 = Sawtoo 02118 0.02159 1 + compensatio 255] x (2.88 V/ f 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>Returns amount of u</td> <td>Description Selects the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time the vibration alert vib Length of time between vibration alert The haptic library on the DRV2605L The haptic library on the DRV2605L See full DRV2605L datasheet for LRA Manually adjusts compensation for m Manually adjusts results for back EMI Manually adjusts results for back EMI Manually adjusts feedback control register Overdrive Clamp Voltage Register Overdrive Clamp Voltage Register Auto-Calibration Compensation Auto-Calibration Back-EMF Result Feedback Control Register Control3 Register Control3 Register Control4 Register Control5 Register</td> <td>backEMF: uint8_t None bration alerts waveform rates for erts to be used o be used voltage V2605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data tt Drive Register ter ter ter ter</td> <td>de is set by feedback asheet for details pg 41 pg 42 pg 43 pg 43 pg 44 pg 45 pg 49 pg 49 pg 50</td>	Values Values S S S S S S S S S S S S S S S S S S S	3 = Sawtoo 02118 0.02159 1 + compensatio 255] x (2.88 V/ f 0 0 0 0 0 0 0 0 0 0 0 0 0	Returns amount of u	Description Selects the output actuator Changes the output waveform for vi Peak output strength of the selected Length of time the vibration alert vib Length of time the vibration alert vib Length of time between vibration alert The haptic library on the DRV2605L The haptic library on the DRV2605L See full DRV2605L datasheet for LRA Manually adjusts compensation for m Manually adjusts results for back EMI Manually adjusts results for back EMI Manually adjusts feedback control register Overdrive Clamp Voltage Register Overdrive Clamp Voltage Register Auto-Calibration Compensation Auto-Calibration Back-EMF Result Feedback Control Register Control3 Register Control3 Register Control4 Register Control5 Register	backEMF: uint8_t None bration alerts waveform rates for erts to be used o be used voltage V2605L in to LRA or ERM mo esistive losses in the driver D of the actuator, BEMFGain gister, see full DRV2605L data tt Drive Register ter ter ter ter	de is set by feedback asheet for details pg 41 pg 42 pg 43 pg 43 pg 44 pg 45 pg 49 pg 49 pg 50