

Table 18. Instruction Set

Command	Code										Function	
	(D/C)	D7	D6	D5	D4	D3	D2	D1	D0	Hex		
Display ON/OFF	0	1	0	1	0	1	1	1	0	1	AE AF	LCD display 0: OFF, 1: ON
Display normal/ reverse	0	1	0	1	0	0	1	1	0	1	A6 A7	LCD display 0: normal, 1: reverse
Display all points ON/ OFF	0	1	0	1	0	0	1	0	0	1	A4 A5	LCD display 0: normal display, 1: all points ON
Page address set	0	1	0	1	1	address						Sets the DDRAM page address
Column address set upper 3-bit address	0	0	0	0	1	0	address					Sets the DDRAM column address
Column address set lower 4-bit address	0	0	0	0	0	address						
Display start line address set	0	0	1	address								Sets the DDRAM display start line address
Segment driver direction	0	1	0	1	0	0	0	0	0	1	A0 A1	Sets the correspondence between the DDRAM column address and the SEG driver output. 0:Normal, 1: reverse
Common driver direction select	0	1	1	0	0	0	1	0	0	0	C0 C8	Sets the correspondence between the DDRAM <u>line address</u> and the COM driver output. 0: normal, 1: reverse
Display data write	1	Write data										Writes to the DDRAM
Self Test/Identification data reading	0	1	1	0	1	1	0	1	1		DB	Identification byte
Power control set	0	0	0	1	0	1	Operating mode				Sets the on-chip power supply circuit operating mode	
VO-Range	0	0	0	1	0	0	VO-Range				Sets the electronic volume value	
Electronic volume	0	1	0	0	Electronic volume value						Sets the electronic volume value	
Power saver	-	-	-	-	-	-	-	-	-	-		Compound command of Display OFF and Display-all-points-ON
Reset	0	1	1	1	0	0	0	1	0		E2	Internal reset
NOP	0	1	1	1	0	0	0	1	1		E3	Non-operation
VOP	0	1	1	1	0	0	0	0	1		E1	Sets the VLCD
	0	VOP[7:0]										
Termal Compensation	0	0	0	1	1	1	0	0	0		38	SET VLCD Slope in temperature
	0	*	*	*	*	*	Thermal Comp					