

ASI Commands for LCD HD47780 Displays

Command	Backlight
ab1	Backlight ON
ab0	Backlight OFF

Command	Cursor/Text reset.	Binary	Decimal
ac1	Clear display, cursor Home	0001	1
ac2	Cursor Home. Resets display to match DDRAM memory	0010	2

Command	Cursor Type and Display Control	Binary	Decimal
aca	Display OFF (Any other command = display ON)	10xx	10
acc	Cursor OFF	1100	12
acd	Blink Block, cursor OFF	1101	13
ace	Cursor ON	1110	14
acf	Blink Block, cursor ON	1111	15

Command	Cursor/Text Shift (Rotate) - next 'Write' shows effect (DDRAM memory is changed)	Binary	Decimal
ac4	Cursor moves left, text reversed	0100	4
ac5	Cursor moves left, text shifts left	0101	5
ac6	Cursor moves right, text normal	0110	6
ac7	Cursor moves right, text shifts left	0111	7

Command	Cursor/Text Shift (Rotate) - Immediate effect on display only. (DDRAM memory is not changed)	Binary	Decimal
ac10	Cursor moves left	100xx	16
ac14	Cursor moves right	101xx	20
ac18	Cursor moves left, Text shifts left	110xx	24
ac1c	Cursor moves right, text shifts right	111xx	28

Cursor positioning commands - acHex or acDec

80	81	82	83	84	85	86	87	88	89	8a	8b	8c	8d	8e	8f	90	91	92	93
c0	c1	c2	c3	c4	c5	c6	c7	c8	c9	ca	cb	cc	cd	ce	cf	d0	d1	d2	d3
94	95	96	97	98	99	9a	9b	9c	9d	9e	9f	a0	a1	a2	a3	a4	a5	a6	a7
d4	d5	d6	d7	d8	d9	da	db	dc	dd	de	df	e0	e1	e2	e3	e4	e5	e6	e7
128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147
192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211
148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167
212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231