

LC-XT6 IR Command List

- Transmission format of LCD projector operation key
AEHA (Association for Electric Home Appliances) Format
- ID Code
00h~40h (65 patterns)

Key No.	Data Code (HEX)	Function
K01	3E	ON
K02	3F	STAND-BY
K03	91	SHUTTER
K04	--	LIGHT
K05	DE	SCREEN
K06	7A	MENU
K07	B3	AUTO PC
K08	5A	CURSOR UP
K09	5C	CURSOR LEFT
K10	72	SELECT
K11	5D	CURSOR RIGHT
K12	5B	CURSOR DOWN
K13	9D	LENS SHIFT
K14	7E	IMAGE ADJUST
K15	AF	ZOOM +
K16	B1	FOCUS +
K17	82	IMAGE SELECT
K18	B0	ZOOM - (Number 1)
K19	B2	FOCUS - (Number 2)
K20	0A	INPUT 1 (Number 3)
K21	02	FREEZE (Number 4)
K22	AE	D. ZOOM (Number 5)
K23	0B	INPUT 2 (Number 6)
K24	AC	P-TIMER (Number 7)
K25	51	KEYSTONE Number 8)
K26	0C	INPUT 3 (Number 9)
K27	9B	INFORMATION (Number 0)
K28	0D	INPUT 4

LC-XT6 AEHA Format

● Protocol



Name	Leader Code	Maker Code	Maker Code Parity	Division Code	Equipment Code	ID Code	Data Code	Maker Parity --Data Code Parity	Trailer
bit		16 bit	4 bit	4 bit	8 bit	8 bit	8 bit	8 bit	
hex		2002h	0h	8h	48h	xyh	xyh	xyh	
bin		M0-M15	MP0-MP3	J0-J3	K0-K7	ID0-ID7	D0-D7	KP0-KP7	
Transmission order		0100-0000-0000-0100	0000	0001	0001-0010	yyyy-xxxx	yyyy-xxxx	yyyy-xxxx	

Maker Code	hex 2002h (fixed)	bin (LSB-->MSB): T ransmission order 01 00-0000-0000-01 00 (M0:M15)
Maker Code Parity	0h (fixed)	0000 (MP0:MP3)
Division Code	8h (fixed)	0001 (J0:J3)
Equipment Code	48h (fixed)	0001-0010 (K0:K7)
ID Code	xyh	yyyy-xxxx (ID0:ID7)
Data Code	xyh	yyyy-xxxx (D0:D7)
Maker Parity-Data Code Parity	xyh	yyyy-xxxx (KP0:KP7)

The parity(KP0:KP7) is calculated as follows:

e.g.)

MSB								LSB		
J3	J2	J1	J0	MP3	MP2	MP1	MP0	8h	0h	
K7	K6	K5	K4	K3	K2	K1	K0	4h	8h	
ID7	ID6	ID5	ID4	ID3	ID2	ID1	ID0	0h	0h	ID=0
XOR) D7	D6	D5	D4	D3	D2	D1	D0	XOR) 3h	Dh	Data=3Dh
KP7	KP6	KP5	KP4	KP3	KP2	KP1	KP0	Fh	5h	

The parity (KP7-KP0) is the XOR (Exclusive OR) of the maker code parity, division code, equipment code, ID code, and data code.

● Timing T=0.436 (=192/440)ms

