

RE-455X Control Command List

<b>RS-232</b>	
Baud Rate	9600 BPS
Data Length	8 Bit
Parity	None
Stop Bit	2 Bit
Flow Control	RTS/CTS control

No	Function	Command	Answer	Command Termination Notification	Meaning
1	Local Control Mode	FF 3030 00 C0 30 EF	FE 3030 3030 EF		To control by the main body, RE-450X. (To cancel Host Control Mode)
2	Host Control Mode	FF 3030 00 C0 31 EF	FE 3030 3030 EF		To control by host computer
3	Focus AF	FF 3030 00 C1 30 EF	FE 3030 3030 EF		To change mode of focus to Auto
4	Focus Manual	FF 3030 00 C1 31 EF	FE 3030 3030 EF		To change mode of focus to Manual
5	ONE SHOT AF	FF 3030 00 C1 32 EF	FE 3030 3030 EF		Change from Autofocus mode to Manual mode after performing Focusing
5	Focus Stop	FF 3030 00 C2 30 EF	FE 3030 3030 EF		To stop focus operation to near
6	Focus Near	FF 3030 00 C2 31 EF	FE 3030 3030 EF	FA 3030 00C2 31 EF	To move to near focus (when reach the end of near, make an issue of command termination notification)
7	Focus Far	FF 3030 00 C2 32 EF	FE 3030 3030 EF	FA 3030 00C2 32 EF	To move to far focus (when reach the end of far, make an issue of command termination notification)
8	Zoom Stop	FF 3030 00 C8 30 EF	FE 3030 3030 EF		To stop zoom operation
9	Zoom Tele	FF 3030 00 C8 31 EF	FE 3030 3030 EF	FA 3030 00C8 31 EF	To zoom to tele (when reach the end of tele, make an issue of command termination notification)
10	Zoom Wide	FF 3030 00 C8 32 EF	FE 3030 3030 EF	FA 3030 00C8 32 EF	To zoom to wide (when reach the end of wide, make an issue of command termination notification)
11	Zoom Assignment initial position	FF 3030 00 C9 30 EF	FE 3030 3030 EF	FA 3030 00C9 30 EF	To move to position zoomed before zoom for "A4" or "Postcard" (issue of command termination notification)
12	Zoom Assignment A4 sideway direction	FF 3030 00 C9 31 EF	FE 3030 3030 EF	FA 3030 00C9 31 EF	To move to zoom position for A4 sideway direction (issue of command termination notification)
13	Zoom Assignment Postcard	FF 3030 00 C9 32 EF	FE 3030 3030 EF	FA 3030 00C9 32 EF	To move to zoom position for postcard (issue of command termination notification)
14	Zoom Position Assignment	FF 3030 00 CA xx xx xx xx EF	FE 3030 3030 EF	FA 3030 00CA EF	To move to zoom position assigned (issue of command termination notification)
15	Zoom Range Request	FF 3030 00 CB EF	FE 3030 3030 xx xx xx xx EF		To return movable range (maximum) of zoom (movable range :0x0100(near) ~ 0x0FD4(far))
16	Zoom Position Request	FF 3030 00 CC EF	FE 3030 3030 xx xx xx xx EF		To return present zoom position
17	Zoom Speed Assignment	FF 3030 00 CD xx xx EF	FE 3030 3030 EF		To assign running speed of zoom
18	Zoom Speed Request	FF 3030 00 CE xx xx EF	FE 3030 3030 xx xx EF		To return present running speed of zoom
19	Exposure Value Assignment	FF 3030 00 D0 xx xx EF	FE 3030 3030 EF		To assign value of exposure (0x80 center, 0x00(bright) ~ 0xff(dark))
20	Exposure Value Request	FF 3030 00 D1 EF	FE 3030 3030 xx xx EF		To request exposure value
21	Exposure Mode Nomal	FF 3030 00 D2 30 EF	FE 3030 3030 EF		To change exposure to normal mode
22	Exposure Mode White Paper	FF 3030 00 D2 31 EF	FE 3030 3030 EF		To change exposure to white paper mode
23	Exposure Lock OFF	FF 3030 00 D3 30 EF	FE 3030 3030 EF		To cancel Exposure Lock ON
24	Exposure Lock ON	FF 3030 00 D3 31 EF	FE 3030 3030 EF		To lock exposure
25	White Balance Auto	FF 3030 00 D4 30 EF	FE 3030 3030 EF		To adjust white balance automatically
26	White Balance Manual	FF 3030 00 D4 31 EF	FE 3030 3030 EF		To set white balance manually
27	White Balance Value Assignment	FF 3030 00 D5 xx xx EF	FE 3030 3030 EF		To assign target value of white balance (0x80 center, 0x00(red) ~ 0xff(blue))
28	White Balance Manual Value Request	FF 3030 00 D6 EF	FE 3030 3030 xx xx EF		To return present white balance manually
29	Auto White Balance Normal	FF 3030 00 D7 30 EF	FE 3030 3030 EF		To change mode of auto white balance to normal
30	Auto White Balance Turbo	FF 3030 00 D7 31 EF	FE 3030 3030 EF		To change mode of auto white balance to turbo
31	Still Picture OFF	FF 3030 00 D8 30 EF	FE 3030 3030 EF		To set still picture mode OFF
32	Still Picture ON	FF 3030 00 D8 31 EF	FE 3030 3030 EF		To set still picture mode ON
33	Detail Assignment	FF 3030 00 D9 xx xx EF	FE 3030 3030 EF		To assign detail value (0x80 center, 0x00(sharp) ~ 0xff(soft))
34	Detail Request	FF 3030 00 DA EF	FE 3030 3030 xx xx EF		To return present detail value
35	m-COM ROM Version Request	FF 3030 00 DB 30 EF	FE 3030 3030 xx xx xx xx EF		To return version value of m-COM ROM
36	EEPROM Version Request	FF 3030 00 DB 31 EF	FE 3030 3030 xx xx xx xx EF		To return version value of EEPROM
37	Side Light OFF	FF 3030 00 DC 30 EF	FE 3030 3030 EF		To switch OFF side light
38	Side Light ON	FF 3030 00 DC 31 EF	FE 3030 3030 EF		To switch ON side light
39	Back Light OFF	FF 3030 00 DD 30 EF	FE 3030 3030 EF		To switch OFF back light
40	Back Light ON	FF 3030 00 DD 31 EF	FE 3030 3030 EF		To switch ON back light
41	Input Select Camera	FF 3030 00 DE 30 EF	FE 3030 3030 EF		To select input from Camera
42	Input Select External	FF 3030 00 DE 31 EF	FE 3030 3030 EF		To select input from external
43	Command Termination Notification OFF	FF 3030 00 DF 30 EF	FE 3030 3030 EF		To set termination notification OFF
44	Command Termination Notification ON	FF 3030 00 DF 31 EF	FE 3030 3030 EF		To set termination notification ON
47	Product Name Request	FF 3030 00 E0 EF	FE 3030 3030 xx--xx EF		To return product name "xx--xx" : "52452D34353058" (RE-450X)
48	Operation Status Request1	FF 3030 00 EC 30 EF	FE 3030 3030 xx xx EF		To return information of operate status1
49	Operation Status Request2	FF 3030 00 EC 31 EF	FE 3030 3030 xx xx EF		To return information of operate status2
50	RE-450X Adjust Mode Change	FF 3030 00 ED EF	FE 3030 3030 EF		To change RE-450X Adjust Mode
51	Cascade ON	FF 3030 00 8F 31EF	FE 3030 3030 EF		To connect cascade connection ON
52	Cascade OFF	FF 3030 00 8F 30 EF	FE 3030 3030 EF		To connect cascade connection OFF
53	Global Notification ON	FF 3030 00 95 31 EF	FE 3030 3030 EF		To set cascade global command notification ON
54	Global Notification OFF	FF 3030 00 95 30 EF	FE 3030 3030 EF		To set cascade global command notification OFF
	In Case of Command Error		FE 3030 3330 EF		In case of receiving the wrong commands
	In Case of Parameter Error		FE 3030 3530 EF		In case of receiving parameter out of range

In Case of Mode Error	Control Mode Error	FE 3030 3930 EF		In case of receiving command No.3~No.46 in status of Local Control Mode
	White Balance Mode Error	FE 3030 3931 EF		In case of receiving command No.27 in status of in Host Control Mode
	Focus Mode Error	FE 3030 3932 EF		In case of receiving command No.5~No.7 in status of Host Control Mode

Zoom Speed

speed1 (0x00)	Minimum Speed
speed2 (0x01)	
speed3 (0x02)	
speed4 (0x03)	
speed5 (0x04)	
speed6 (0x05)	Default
speed7 (0x06)	
speed8 (0x07)	Maximum Speed

<Operation Status 1>

	"1"
bit7	Local Control Mode
bit6	Command Termination Notification ON
bit5	Video Mode PAL
bit4	Cascade Connection ON
bit3	Global Notification ON
bit2	White Balance Turbo Mode
bit1	Exposure Lock ON
bit0	Gamma Mode 0

<Operation Status 2>

	"1"
bit7	Side Light ON
bit6	
bit5	Input Select External Mode
bit4	White Balance Auto Mode
bit3	White Paper Mode
bit2	Focus Auto Mode
bit1	In Process of Zoom
bit0	In Process of Output Still Picture