

The RS232 Protocols for remote control of receiver SRT 54XX

1. Physical layer : RS232C
2. Data link layer
 - A. Baud rate : 115200
 - B. Data : 8 bit
 - C. Parity: none
 - D. Stop : 1 bit
 - E. Flow control : none
3. Transport layer
 - A. Request Protocol (A5 07 00 30 08 7F 02 XX 00 YY)
 - i. Fixed Header (7 Bytes) + Key code (1 Byte) + Reserved (1 Byte) + Checksum (1 Byte)
 - ii. HEX : A5 07 00 30 08 7F 02 XX 00 YY
 - iii. XX : Hex-value keycode, refer to below KEYCODE
 - iv. YY : Hex-value checksum, YY = (0xXX - 0x09) & 0xFF
 - B. Ack Protocol (A5 04 00 CF 49 7F D5)
 - i. Fixed Data (7 Bytes)
 - ii. HEX : A5 04 00 CF 49 7F D5
4. KEYCODE

KEY NAME	CODE	KEY NAME	CODE
POWER	0X00	STAND-BY	0X60
TV/RADIO	0X41	KEY_0	0X1B
MUTE	0X40	KEY_1	0X15
TEXT	0X03	KEY_2	0X16
SUBTITLE	0X42	KEY_3	0X17
AUDIO	0X04	KEY_4	0X54
MOSAIC	0X05	KEY_5	0X55
SLEEP	0X06	KEY_6	0X56
FREEZE	0X07	KEY_7	0X57
ZOOM	0X44	KEY_8	0X18
GUIDE	0X45	KEY_9	0X19
INFO	0X46	RED	0X51
RECALL	0X47	GREEN	0X52
GROUP	0X08	YELLOW	0X53
MANU	0X09	BLUE	0X14
EXIT	0X0A	V.FORMAT	0X1A
UP	0X4B	WIDE	0X58
DOWN	0X0C	FILELIST	0X4C
LEFT	0X0F	PLAY	0X4D
RIGHT	0X0E	REC	0X13
OK	0X0D	PAUSE	0X10
PG +	0X49	SLOW	0X50
PG -	0X4A	STOP	0X4E
VOL +	0X0B	REW	0X4F
VOL -	0X48	FWD	0X11
		ADVANCE	0X12