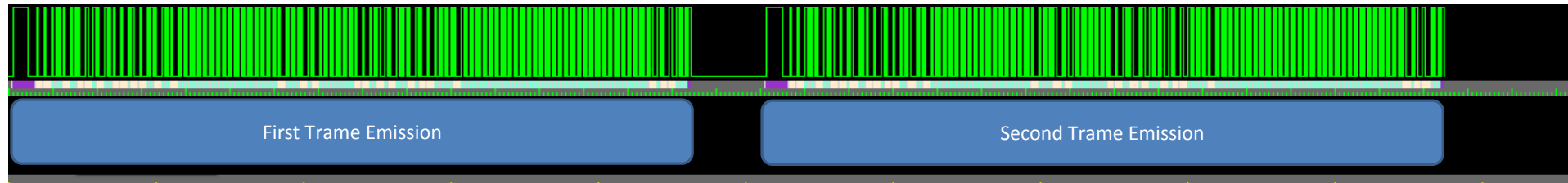


MITSUBISHI IR TRAME RVERSE ENGINEERING

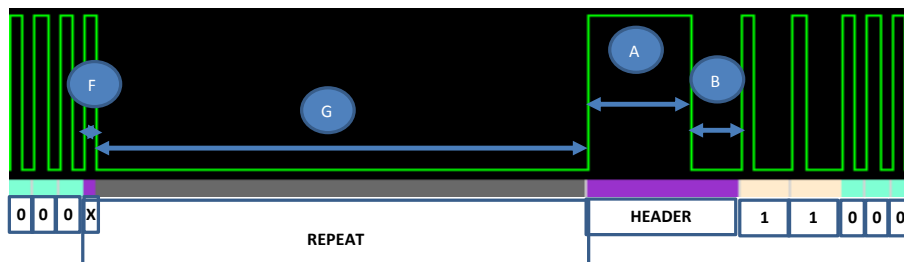
Each command send by the remote consists of two repeated packet frame,



Exploration of a frame:

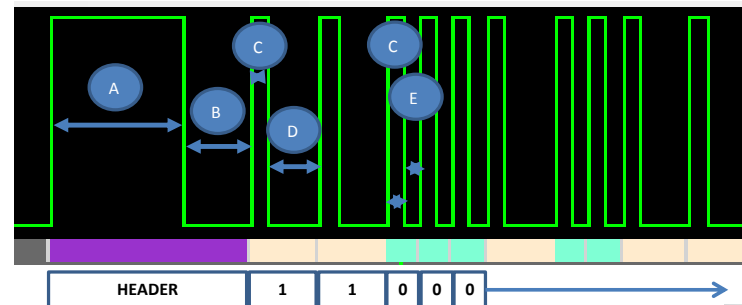
	μs	
// HVAC MITSUBISHI_DEFINE	LIB VALUE μs	INDEX
HVAC_MITSUBISHI_HDR_MARK	3400	A
HVAC_MITSUBISHI_HDR_SPACE	1750	B
HVAC_MITSUBISHI_BIT_MARK	450	C
HVAC_MITSUBISHI_ONE_SPACE	1300	D
HVAC_MISTUBISHI_ZERO_SPACE	420	E
HVAC_MITSUBISHI_RPT_MARK	440	F
HVAC_MITSUBISHI_RPT_SPACE	17100	G

Trame End + Repeation



<https://github.com/r45635/HVAC-IR-Control>

Trame Start



v 1.0 Nov 2014

BYTE 0	BYTE 1	BYTE 2	BYTE 3	BYTE 4	BYTE 5	BYTE 6	BYTE 7	BYTE 8
CONSTANT	CONSTANT	CONSTANT	CONSTANT	CONSTANT	ON/OFF	HVAC MODE	TEMPERATURE	HVAC MODE
0x23	0xCB	0x26	0x01	0x00	0x20	0x08	0x05	0x30
01234567	01234567	01234567	01234567	01234567	01234567	01234567	01234567	01234567
HEADER					ON = 1 / OFF = 0	HVAC MODE	TEMP = X +16	HVAC MODE
0 0 1 0 0 0 1 1 1 0 0 1 0 1 1 0 0 1 0 0 1 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0					0 0 X 0 0 0 0 0	0 X X X X 0 0 0	0 0 0 0 X X X X	X X X X 0 X X X



SPLIT-TYPE AIR CONDITIONERS
INDOOR UNIT
MSZ-GF60VE MSZ-GF71VE



MSZ-GF60VE



MSZ-FD25VA

ON 0 0 1 0 0 0 0 0 OFF 0 0 0 0 0 0 0 0	HEAT 0 X 0 0 1 0 0 0 DRY 0 X 0 1 0 0 0 0 COLD 0 X 0 1 1 0 0 0 AUTO 0 0 1 0 0 0 0 0	Note: Min = 16°C Max = 31°C EX: SET 23°C EX: SET 16°C 0 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0	HEAT 0 0 1 1 0 0 0 0 DRY 0 0 1 1 0 0 1 0 COLD 0 0 1 1 0 1 1 0 AUTO 0 0 1 1 0 0 0 0
i-see 0 X X X X 0 0 0			
I-SEE ON 0 1 X X X 0 0 0 I-SEE OFF 0 0 X X X 0 0 0			
WIDE VANE X X X X 0 X X X			
LEFT END 0 0 0 1 0 X X X LEFT 0 0 1 0 0 X X X MIDDLE 0 0 1 1 0 X X X RIGHT 0 1 0 0 0 X X X RIGHT END 0 1 0 1 0 X X X SWING 1 0 0 0 0 X X X			

in GREEN : Options related to MSZ-FD25

BYTE 09	BYTE 10	BYTE 11	BYTE 12	BYTE 13	BYTE 14	BYTE 15	BYTE 16	BYTE 17
FAN / VANE	CLOCK	END TIME	START TIME	TIMER	CONSTANT	CONSTANT	CONSTANT	CHECKSUM
0x45	0x54	0x00	0x00	0x00	0x00	0x00	0x00	0x0B
01234567	01234567	01234567	01234567	01234567	01234567	01234567	01234567	01234567
FAN SPEED	CLOCK	END CLOCK	START CLOCK	PROG MODE	CLEAN MODE	PLASMA		CRC:
X X X X X X X X	X X X X X X X X	X X X X X X X X	X X X X X X X X	X X 0 0 0 X X X	0 0 0 0 0 X 0 0	0 0 0 X X X 0 0		X X X X X X X X
- - - - X X X =1/6 Hours		NO OFF	NO START	Enable START	CLEAN ON	Default: 0 / OFF		= SUM [
1 - - - 0 0 0 EX: 00H00M	X X X X X X X X	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 1	0 0 0 0 0 1 0 0	PLASMA ON		BYTE 0 .. BYTE 16]
VANNE SET = Y	0 0 0 0 0 0 0 0	PROG: CLOCK 1/6	PROG: CLOCK 1/6	Enable END	CLEAN OFF	0 0 0 0 0 1 0 0		
0 Y Y Y Y - - EX: 06:00 AM	X X X X X X X X	X X X X X X X X	X X X X X X X X	0 1 1	0 0 0 0 0 0 0 0	PLASMA OFF		
VANNE AUTO:	0 0 1 0 0 1 0 0	EX: End at 22:00		Enable End+Start		0 0 0 0 0 0 0 0		
0 1 0 0 0 - - EX: 04:00 PM	0 1 1 0 0 0 0 0			1 1 1		INSTALL POSITION		
VANNE MOVE:	0 1 1 0 0 0 0 0			No Prog		0 0 0 X X X 0 0		
0 1 1 1 1 - - EX: 00H15M	0 0 0 0 0 0 0 1			AREA MODE		Default: 00 ?		
				X X 0 0 0 X X X		HVAC LEFT		
				AREA SWING		0 0 0 0 1 X 0 0		
				0 0 0 0 0 0 0 0		HVAC MID		
				AERA LEFT		0 0 0 1 0 X 0 0		
				0 1 0 0 0 0 0 0		HVAC RIGHT		
				AREA AUTO		0 0 0 1 1 X 0 0		
				1 0 0 0 0 0 0 0				
				AREA RIGHT				
				1 1 0 0 0 0 0 0				