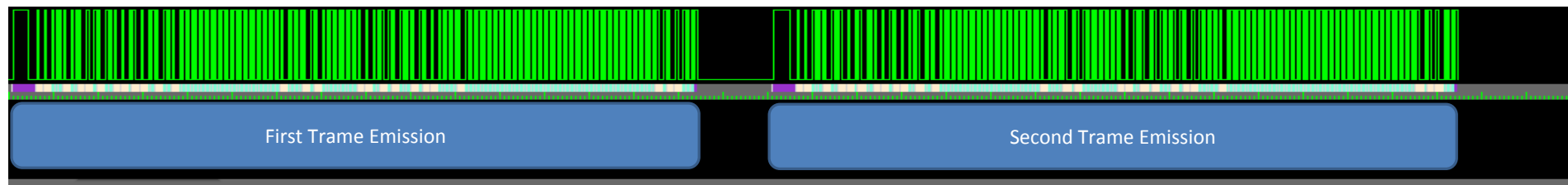


MITSUBISHI IR TRAME RVERSE ENGINEERING

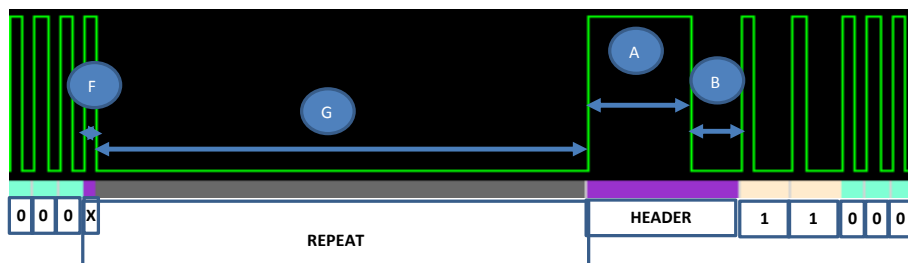
Each command send by the remote consists of two repeated packet frame,



Exploration of a trame:

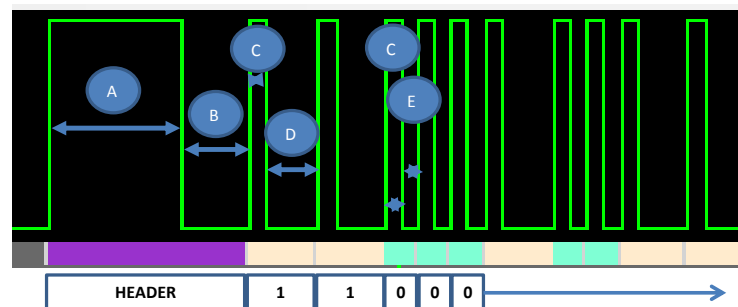
	μs	
// HVAC MITSUBISHI_DEFINE	LIB VALUE μs	INDEX
HVAC_MITSUBISHI_HDR_MARK	3400	A
HVAC_MITSUBISHI_HDR_SPACE	1750	B
HVAC_MITSUBISHI_BIT_MARK	450	C
HVAC_MITSUBISHI_ONE_SPACE	1300	D
HVAC_MISTUBISHI_ZERO_SPACE	420	E
HVAC_MITSUBISHI_RPT_MARK	440	F
HVAC_MITSUBISHI_RPT_SPACE	17100	G

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
0 1 2 3 4 5 6 7	0 1 2 3 4 5 6 7	0 1 2 3 4 5 6 7	0 1 2 3 4 5 6 7	0 1 2 3 4 5 6 7	0 1 2 3 4 5 6 7	0 1 2 3 4 5 6 7	0 1 2 3 4 5 6 7	0 1 2 3 4 5 6 7
HEADER					ON = 1 / OFF = 0	HVAC MODE	TEMP = X + 16	HVAC MODE
0 0 1 0 0 0 1 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 0 X X X 0 0 0	0 0 0 0 X X X X	0 0 1 1 0 X X X



SPLIT-TYPE AIR CONDITIONERS

INDOOR UNIT
MSZ-GF60VE MSZ-GF71VE



ON 0 0 1 0 0 0 0	HEAT 0 0 0 1 0 0 0	Note: Min = 16°C Max = 31°C EX: SET 23°C	HEAT 0 0 1 1 0 0 0
OFF 0 0 0 0 0 0 0	DRY 0 0 0 1 0 0 0	EX: SET 16°C	DRY 0 0 1 1 0 0 1
	COLD 0 0 0 1 1 0 0	0 0 0 0 0 1 1 1	COLD 0 0 1 1 0 1 1
	AUTO 0 0 1 0 0 0 0	0 0 0 0 0 0 0 0	AUTO 0 0 1 1 0 0 0

BYTE 09	BYTE 10	BYTE 11	BYTE 12	BYTE 13	BYTE 14	BYTE 15	BYTE 16	BYTE 17
FAN / VANNE	CLOCK	END TIME	START TIME	TIMER	CONSTANT	CONSTANT	CONSTANT	CHECKSUM
0x45	0x54	0x00	0x00	0x00	0x00	0x00	0x00	0x0B
0 1 2 3 4 5 6 7	0 1 2 3 4 5 6 7	0 1 2 3 4 5 6 7	0 1 2 3 4 5 6 7	0 1 2 3 4 5 6 7	0 1 2 3 4 5 6 7	0 1 2 3 4 5 6 7	0 1 2 3 4 5 6 7	0 1 2 3 4 5 6 7
FAN SPEED	CLOCK	END CLOCK	START CLOCK	PROG MODE	ON/ OFF	CLOCK	TEMPERATURE	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	0 0 0 0 0 X X X				X X X X X X X X
- - - - X X X	=1/6 Hours	NO OFF	NO START	Enable START				= SUM [
FAN AUTO: 1 - - - 0 0 0	EX: 00H00M	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 1				BYTE 0 .. BYTE 16]
VANNE SET = Y 0 Y Y Y Y - - -	EX: 06:00 AM	PROG: CLOCK 1/6	PROG: CLOCK 1/6	Enable END				
VANNE AUTO: 0 1 0 0 0 - - -	EX: 04:00 PM	X X X X X X X X	X X X X X X X X	0 1 1				
VANNE MOVE: 0 1 1 1 1 - - -	EX: 00H15M	1 0 0 0 0 1 0 0		Enable End+Start				
	0 0 0 0 0 0 0 1			No Prog				

