

IRsend Class Reference

Main class for sending IR. [More...](#)

```
#include <IRremote.h>
```

Public Member Functions

IRsend (int pin=**IR_SEND_PIN**)

void **custom_delay_usec** (unsigned long uSecs)

void **enableIROut** (int khz)

void **mark** (unsigned int usec)

void **space** (unsigned int usec)

void **sendRaw** (const unsigned int buff[], unsigned int len, unsigned int hz)

void **sendRaw_P** (const unsigned int buff[], unsigned int len, unsigned int hz)

void **sendRC5** (unsigned long data, int nbits)

void **sendRC5ext** (unsigned long addr, unsigned long cmd, boolean toggle)

void **sendRC6** (unsigned long data, int nbits)

void **sendNEC** (unsigned long data, int nbits)

void **sendSony** (unsigned long data, int nbits)

void **sendPanasonic** (unsigned int address, unsigned long data)

void **sendJVC** (unsigned long data, int nbits, bool repeat)

void **sendSAMSUNG** (unsigned long data, int nbits)

void **sendWhynter** (unsigned long data, int nbits)

void **sendAiwaRCT501** (int code)

void **sendLG** (unsigned long data, int nbits)

void **sendDISH** (unsigned long data, int nbits)

void **sendSharpRaw** (unsigned long data, int nbits)

void **sendSharp** (unsigned int address, unsigned int command)

void **sendSharpAltRaw** (unsigned long data, int nbits)

void **sendSharpAlt** (unsigned int address, unsigned long command)

void **sendDenon** (unsigned long data, int nbits)

void **sendLegoPowerFunctions** (uint16_t data, bool repeat=true)

void **sendBoseWave** (unsigned char code)

Detailed Description

Main class for sending IR.

Definition at line **333** of file **IRremote.h**.

Constructor & Destructor Documentation

◆ IRsend()

IRsend::IRsend (int **pin** = **IR_SEND_PIN**)

inline

Definition at line **336** of file **IRremote.h**.

Member Function Documentation

◆ custom_delay_usec()

void IRsend::custom_delay_usec (unsigned long **uSecs**)

Definition at line **157** of file **irSend.cpp**.

◆ enableIROut()

void IRsend::enableIROut (int **khz**)

Definition at line **127** of file **irSend.cpp**.

◆ mark()

void IRsend::mark (unsigned int **usec**)

Definition at line **69** of file **irSend.cpp**.

◆ sendAiwaRCT501()

void IRsend::sendAiwaRCT501 (int **code**)

Definition at line **27** of file **ir_Aiwa.cpp**.

◆ sendBoseWave()

```
void IRsend::sendBoseWave ( unsigned char code )
```

Definition at line **70** of file **ir_BoseWave.cpp**.

◆ sendDenon()

```
void IRsend::sendDenon ( unsigned long data,  
                        int          nbits  
                        )
```

Definition at line **33** of file **ir_Denon.cpp**.

◆ sendDISH()

```
void IRsend::sendDISH ( unsigned long data,  
                       int          nbits  
                       )
```

Definition at line **33** of file **ir_Dish.cpp**.

◆ sendJVC()

```
void IRsend::sendJVC ( unsigned long data,  
                      int          nbits,  
                      bool         repeat  
                      )
```

Definition at line **26** of file **ir_JVC.cpp**.

◆ sendLegoPowerFunctions()

```
void IRsend::sendLegoPowerFunctions ( uint16_t data,  
                                     bool       repeat = true  
                                     )
```

Definition at line **30** of file **ir_Lego_PF.cpp**.

◆ sendLG()

```
void IRsend::sendLG ( unsigned long data,  
                     int          nbits  
                     )
```

Definition at line **72** of file **ir_LG.cpp**.

◆ sendNEC()

```
void IRsend::sendNEC ( unsigned long data,  
                      int          nbits  
                      )
```

Definition at line **21** of file **ir_NEC.cpp**.

◆ sendPanasonic()

```
void IRsend::sendPanasonic ( unsigned int  address,  
                             unsigned long data  
                             )
```

Definition at line **20** of file **ir_Panasonic.cpp**.

◆ sendRaw()

```
void IRsend::sendRaw ( const unsigned int buf[],  
                      unsigned int      len,  
                      unsigned int      hz  
                      )
```

Definition at line **5** of file **irSend.cpp**.

◆ sendRaw_P()

```
void IRsend::sendRaw_P ( const unsigned int  buf[],
                        unsigned int         len,
                        unsigned int         hz
                        )
```

Definition at line **20** of file **irSend.cpp**.

◆ sendRC5()

```
void IRsend::sendRC5 ( unsigned long  data,
                      int             nbits
                      )
```

Definition at line **63** of file **ir_RC5_RC6.cpp**.

◆ sendRC5ext()

```
void IRsend::sendRC5ext ( unsigned long  addr,
                          unsigned long  cmd,
                          boolean        toggle
                          )
```

Definition at line **86** of file **ir_RC5_RC6.cpp**.

◆ sendRC6()

```
void IRsend::sendRC6 ( unsigned long  data,
                      int             nbits
                      )
```

Definition at line **213** of file **ir_RC5_RC6.cpp**.

◆ sendSAMSUNG()

```
void IRsend::sendSAMSUNG ( unsigned long data,  
                           int           nbits  
                           )
```

Definition at line **21** of file **ir_Samsung.cpp**.

◆ sendSharp()

```
void IRsend::sendSharp ( unsigned int address,  
                         unsigned int command  
                         )
```

Definition at line **71** of file **ir_Sharp.cpp**.

◆ sendSharpAlt()

```
void IRsend::sendSharpAlt ( unsigned int  address,  
                            unsigned long command  
                            )
```

Definition at line **54** of file **ir_Sharp_alt.cpp**.

◆ sendSharpAltRaw()

```
void IRsend::sendSharpAltRaw ( unsigned long data,  
                               int           nbits  
                               )
```

Definition at line **33** of file **ir_Sharp_alt.cpp**.

◆ sendSharpRaw()

```
void IRsend::sendSharpRaw ( unsigned long data,  
                            int           nbits  
                            )
```

Definition at line **41** of file **ir_Sharp.cpp**.

◆ sendSony()

```
void IRsend::sendSony ( unsigned long data,  
                        int          nbits  
                        )
```

Definition at line **21** of file **ir_Sony.cpp**.

◆ sendWhynter()

```
void IRsend::sendWhynter ( unsigned long data,  
                           int          nbits  
                           )
```

Definition at line **22** of file **ir_Whynter.cpp**.

◆ space()

```
void IRsend::space ( unsigned int usec )
```

Definition at line **103** of file **irSend.cpp**.

The documentation for this class was generated from the following files:

- [src/IRremote.h](#)
- [src/ir_Aiwa.cpp](#)
- [src/ir_BoseWave.cpp](#)
- [src/ir_Denon.cpp](#)
- [src/ir_Dish.cpp](#)
- [src/ir_JVC.cpp](#)
- [src/ir_Lego_PF.cpp](#)
- [src/ir_LG.cpp](#)
- [src/ir_NEC.cpp](#)
- [src/ir_Panasonic.cpp](#)
- [src/ir_RC5_RC6.cpp](#)
- [src/ir_Samsung.cpp](#)
- [src/ir_Sharp.cpp](#)
- [src/ir_Sharp_alt.cpp](#)
- [src/ir_Sony.cpp](#)
- [src/ir_Whynter.cpp](#)
- [src/irSend.cpp](#)

