

```
/******  
MasterSM.h  
  
*****/  
  
#ifndef MasterSM_H  
#define MasterSM_H  
  
// State definitions for use with the query function  
typedef enum { Waiting, Receiving, Transmitting} MasterState_t ;  
typedef enum { TX_START, TX_MSBLength, TX_LSBLength, TX_API, TX_FRAME, TX_MSBDestination,  
TX_LSBDestination, TX_OPTIONS, TX_FIRST, TX_LEFT, TX_RIGHT, TX_GRIPPER, TX_CAMERA, TX_DIGITAL,  
TX_Checksum} TXState_t;  
  
// Public Function Prototypes  
  
ES_Event RunMasterSM( ES_Event CurrentEvent );  
void StartMasterSM ( ES_Event CurrentEvent );  
boolean PostMasterSM( ES_Event ThisEvent );  
boolean InitMasterSM ( uint8_t Priority );  
MasterState_t QueryMasterSM(void );  
  
#endif
```