

For example "UART" (send data)

How to sense the interrupt from APP without depend on the Mic. ?

Once the UART sent the Data, The TX interrupt will insert and the CPU will call

```
ISR(USART_TXC_vect)
{ ..... }
```

```
► Send_data(u16 data)
► {
► USART_Init ();
► USART_Trans_Int_Enable();
► USART_Trans_Enable();
► USART_Transmit(u16 data);
► }
```

APP "send_data(x)"

Hardware Abstraction Layer

UART Driver

Byte Send data Byte UART

Microcontroller

By the pointer to function

```
void (*Ptr_To_Trans_Int) (void);
extern void USART_callback_Trans_Int(void (*Ptr_to_Func)(void))
{
Ptr_To_Trans_Int = Ptr_to_Func;
ISR(USART_TXC_vect)
{
(*Ptr_To_Trans_Int)();
}
```

APP "send_data(x)"

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```
ISR(USART_TXC_vect)
{ ..... }
```