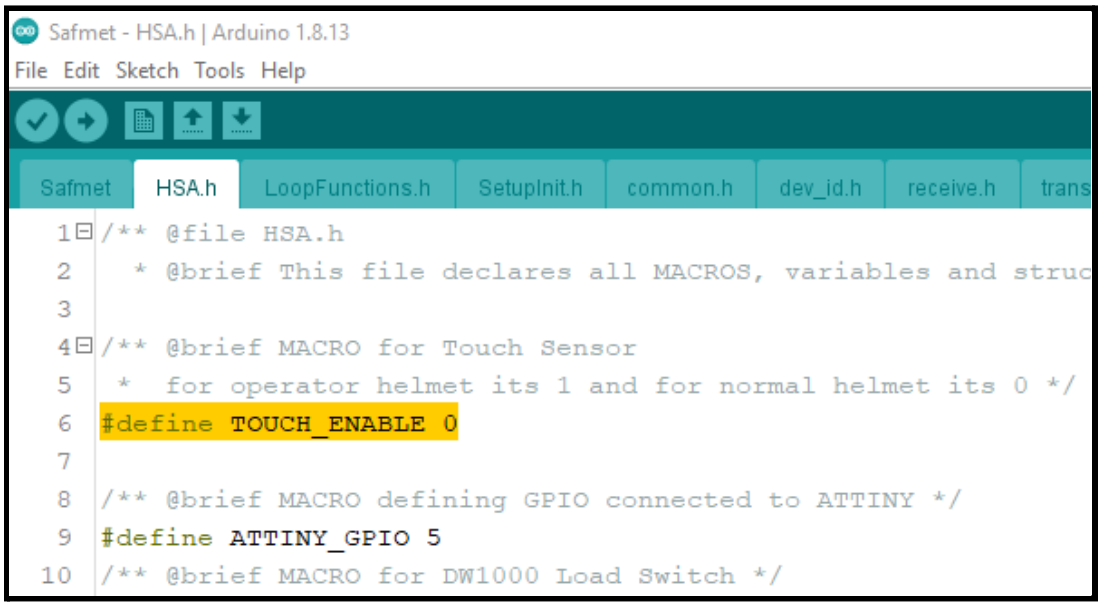
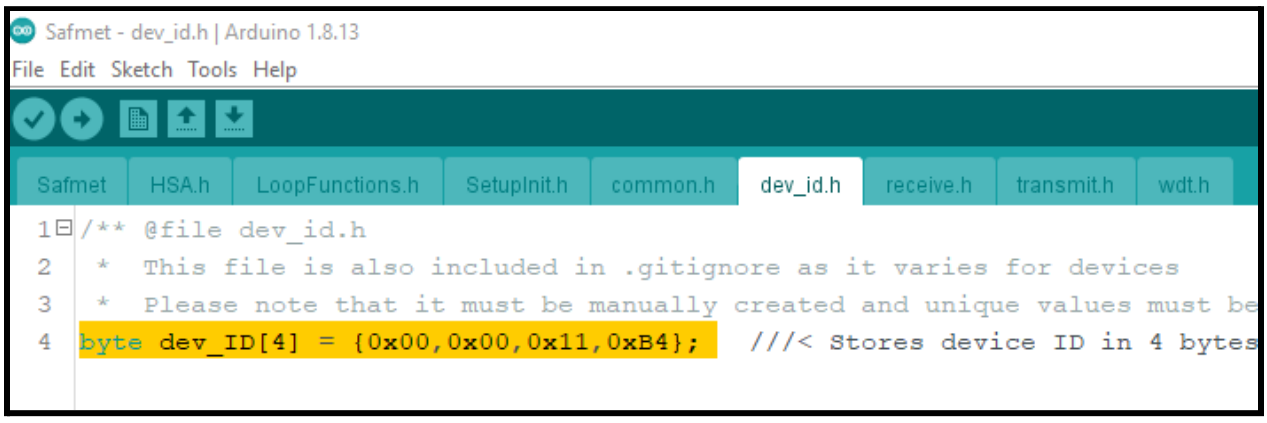
Firmware edits:

1. Normal helmet:

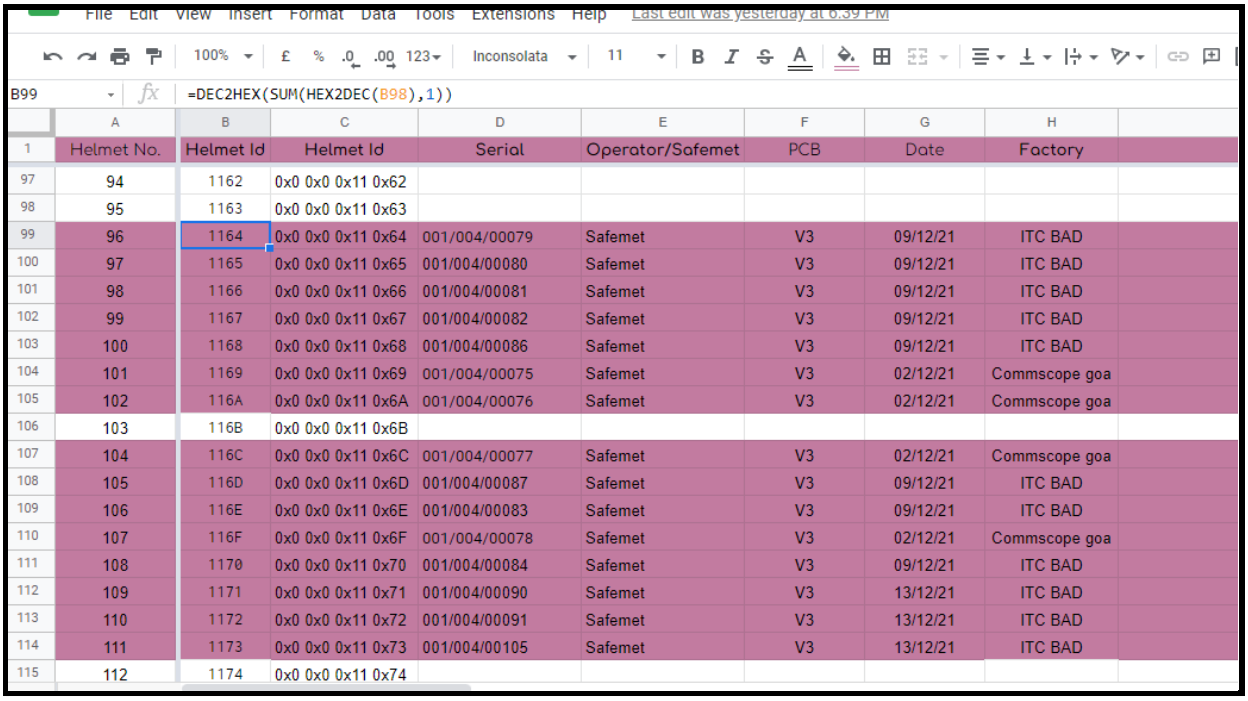
a. Change the TOUCH_ENABLE value in HSA.h file
for normal helmet its 0
#define TOUCH_ENABLE 0



b. Change Safmet UID in dev_id.h file



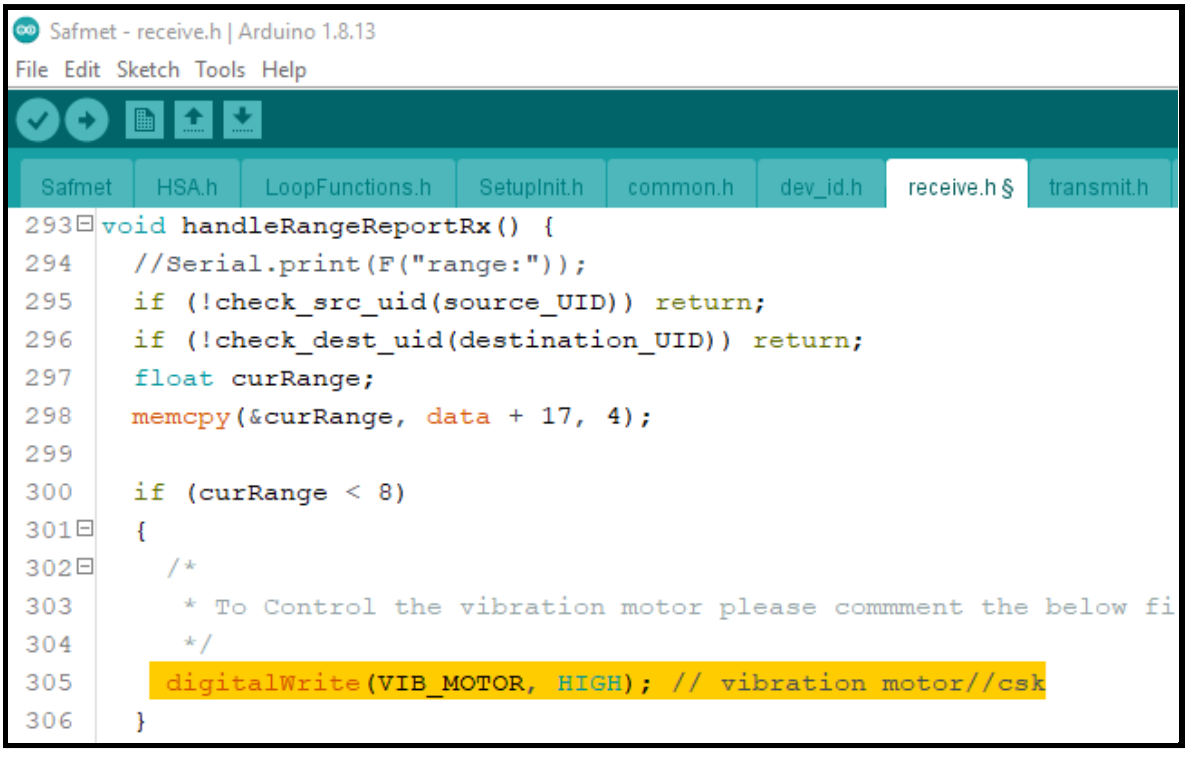
Note: Take Safmet UID's from deployment sheet



=DEC2HEX(SUM(HEX2DEC(B98),1))

	A	B	C	D	E	F	G	H
1	Helmet No.	Helmet Id	Helmet Id	Serial	Operator/Safemet	PCB	Date	Factory
97	94	1162	0x0 0x0 0x11 0x62					
98	95	1163	0x0 0x0 0x11 0x63					
99	96	1164	0x0 0x0 0x11 0x64	001/004/00079	Safemet	V3	09/12/21	ITC BAD
100	97	1165	0x0 0x0 0x11 0x65	001/004/00080	Safemet	V3	09/12/21	ITC BAD
101	98	1166	0x0 0x0 0x11 0x66	001/004/00081	Safemet	V3	09/12/21	ITC BAD
102	99	1167	0x0 0x0 0x11 0x67	001/004/00082	Safemet	V3	09/12/21	ITC BAD
103	100	1168	0x0 0x0 0x11 0x68	001/004/00086	Safemet	V3	09/12/21	ITC BAD
104	101	1169	0x0 0x0 0x11 0x69	001/004/00075	Safemet	V3	02/12/21	Commscope goa
105	102	116A	0x0 0x0 0x11 0x6A	001/004/00076	Safemet	V3	02/12/21	Commscope goa
106	103	116B	0x0 0x0 0x11 0x6B					
107	104	116C	0x0 0x0 0x11 0x6C	001/004/00077	Safemet	V3	02/12/21	Commscope goa
108	105	116D	0x0 0x0 0x11 0x6D	001/004/00087	Safemet	V3	09/12/21	ITC BAD
109	106	116E	0x0 0x0 0x11 0x6E	001/004/00083	Safemet	V3	09/12/21	ITC BAD
110	107	116F	0x0 0x0 0x11 0x6F	001/004/00078	Safemet	V3	02/12/21	Commscope goa
111	108	1170	0x0 0x0 0x11 0x70	001/004/00084	Safemet	V3	09/12/21	ITC BAD
112	109	1171	0x0 0x0 0x11 0x71	001/004/00090	Safemet	V3	13/12/21	ITC BAD
113	110	1172	0x0 0x0 0x11 0x72	001/004/00091	Safemet	V3	13/12/21	ITC BAD
114	111	1173	0x0 0x0 0x11 0x73	001/004/00105	Safemet	V3	13/12/21	ITC BAD
115	112	1174	0x0 0x0 0x11 0x74					

c. To make the vibration motor ON/OFF do uncomment/comment respectively below the line in the receive.h file.
For normal helmets, the vibration motor is ON(you can OFF also as per client requirements).



Safmet - receive.h | Arduino 1.8.13

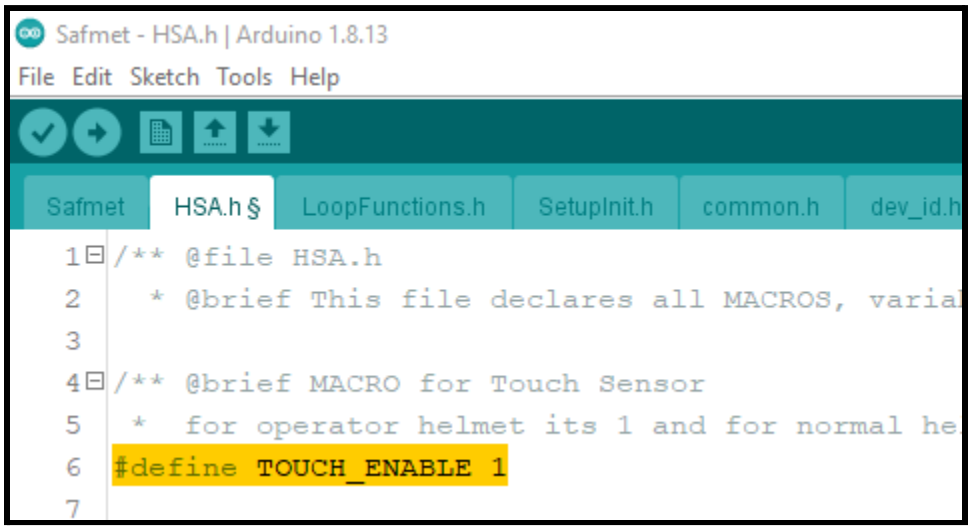
File Edit Sketch Tools Help

Safmet | HSA.h | LoopFunctions.h | SetupInit.h | common.h | dev_id.h | receive.h § | transmit.h

```
293 void handleRangeReportRx() {
294   //Serial.print(F("range:"));
295   if (!check_src_uid(source_UID)) return;
296   if (!check_dest_uid(destination_UID)) return;
297   float curRange;
298   memcpy(&curRange, data + 17, 4);
299
300   if (curRange < 8)
301   {
302     /*
303      * To Control the vibration motor please commment the below fi
304      */
305     digitalWrite(VIB_MOTOR, HIGH); // vibration motor//csk
306   }
```

2. *Operator helmet:*

a. Change the TOUCH_ENABLE value in HSA.h file
For a Operator helmet its 1
#define TOUCH_ENABLE 1



b. Same as mentioned in normal helmets.

c. To make the vibration motor ON/OFF do uncomment/comment respectively below the line in the receive.h file.
for operator helmets, make the vibration motor OFF.