

```
25     switch (swap)
26     {
27         case 0: valDAC = 2048; break;
28         case 1: valDAC = 4096 - valADC; break;
29         case 2: valDAC = 2048; break;
30         case 3: valDAC = valADC; swap = 0; break;
31     }
32
33     if (swap) {
34         valDAC = 4096 - valADC;
35     } else {
36         valDAC = 2048;
37     }
38
39     DAC0->DAT->DATL = DAC_DATL_DATA0((valDAC)) ;    //Set DAC Output
40     DAC0->DAT->DATH = DAC_DATH_DATA1((valDAC >> 8) &0x0F) ;    //Set DAC Output
41
42     swap = !swap;
43
```