```c
// Target Hardware      ; DOG LCD
// Author               : Brandon Cheung, Ishabul Haque
// DESCRIPTION
// Updates the LCD display with the current values in dsp_buff_1, dsp_buff_2
// and dsp_buff_3.
//
// Warnings             : none
// Restrictions         : none
// Algorithms           : none
// References           : none
//
// Revision History     : Initial version
//
//*****************************************************************************
extern void update_lcd_dog (void) {
    char i;                         //initialize loop variable
    init_spi_lcd();                 //initialize SPI ports

    //send line 1 to LCD
    lcd_spi_transmit_CMD(0x80);     //initialize DDRAM addr-ctr
    delay_30us();

    for (i=0; i<=15; i++) {
        lcd_spi_transmit_DATA(dsp_buff_1[i]);       //send buff 1
        delay_30us();
    }

    //send line 2 to LCD
    lcd_spi_transmit_CMD(0x90);     //initialize DDRAM addr-ctr
    delay_30us();

    for (i=0; i<=15; i++) {
        lcd_spi_transmit_DATA(dsp_buff_2[i]);       //send buff 2
        delay_30us();
    }

    //send line 3 to LCD
```