

```
    return rslt;
}

/*!
 * @brief This internal API is used to set the memory page based on register address.
 */
static int8_t set_mem_page(uint8_t reg_addr, struct bme680_dev *dev)
{
    int8_t rslt;
    uint8_t reg;
    uint8_t mem_page;

    /* Check for null pointers in the device structure*/
    rslt = null_ptr_check(dev);
    if (rslt == BME680_OK) {
        if (reg_addr > 0x7f)
            mem_page = BME680_MEM_PAGE1;
        else
            mem_page = BME680_MEM_PAGE0;

        if (mem_page != dev->mem_page) {
            dev->mem_page = mem_page;

            dev->com_rslt = dev->read(dev->dev_id, BME680_MEM_PAGE_ADDR | BME680_SPI_RD_MSK, &reg, 1);
            if (dev->com_rslt != 0)
                rslt = BME680_E_COM_FAIL;

            if (rslt == BME680_OK) {
                reg = reg & (~BME680_MEM_PAGE_MSK);
                reg = reg | (dev->mem_page & BME680_MEM_PAGE_MSK);

                dev->com_rslt = dev->write(dev->dev_id, BME680_MEM_PAGE_ADDR & BME680_SPI_WR_MSK,
                    &reg, 1);
                if (dev->com_rslt != 0)
                    rslt = BME680_E_COM_FAIL;
            }
        }
    }
}
```