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| Command | **Description** | **NOTE** |
| <stm–h> | **Help me! (print all the commands)** |  |
| <stm–s> | **Enables UART interface.**  **Every data will be forwarded to uart interface, enter <stm–a> for closing interface.**  **RESPONSE SUCCESS: “Serial interface selected”**  **RESPONSE INVALID: “unknown command”** |  |
| <stm–i> | **Enables I2C interface.**  **RESPONSE SUCCESS: “I2C interface selected”**  **RESPONSE INVALID: “unknown command”** |  |
| <stm–p> | **Enables SPI interface.**  **Every data will be forwarded to spi interface, enter <imx –a> for closing interface.**  **RESPONSE SUCCESS: “SPI interface selected”**  **RESPONSE INVALID: “unknown command”** |  |
| **<**stm–a**>** | **Close the communication interface previosly selected with** <stm–s> <stm–i> <stm–p>.  **RESPONSE SUCCESS: “XXX interface closed”**  **RESPONSE INVALID1: “unknown command”** |  |
| **<**stm–testled**>** | **Turns on all on board leds for 10seconds.**  **RESPONSE SUCCESS: “No Response”**  **RESPONSE INVALID1: “unknown command”** |  |
| **<ser–bX>** | **Baudrate selections for UART interface:**  **X=0 , baudrate 1200**  **X=1 , baudrate 4800**  **X=2 , baudrate 9600**  **X=3 , baudrate 19200**  **X=4 , baudrate 19200**  **X=5 , baudrate 19200**  **X=6 , baudrate 19200**  **Default or wrong parameter: 9600**  **RESPONSE SUCCESS: “Serial baudrate set”**  **RESPONSE INVALID1: “unknown command”**  **RESPONSE INVALID2: “Error – interface must be closed”** |  |
| **<spi–nssh>** | **Set SPI NSS pin active high.**  **Default: NSS active low.**  **RESPONSE SUCCESS: “SPI NSS active high”**  **RESPONSE INVALID1: “unknown command”** |  |
| **<spi–nssl>** | **Set SPI NSS pin active low.**  **Default: NSS active low.**  **RESPONSE SUCCESS: “SPI NSS active low”**  **RESPONSE INVALID1: “unknown command”** |  |
| **<spi –sX>** | **Clock speed for spi:**  **X=0 , 6 Mhz**  **X=1 , 3 Mhz**  **X=2 , 1.5 Mhz**  **X=3 , 750 khz**  **X=4 , 357 kHz**  **X=5 , 187 khz**  **X=6 , 93 kHz**  **X=6 , 46 kHz**  **Default or wrong parameter: 46 kHz**  **RESPONSE SUCCESS: “Spi parameter set”**  **RESPONSE INVALID1: “unknown command”**  **RESPONSE INVALID2: “wrong parameter”**  **RESPONSE INVALID2: “Error – interface must be closed”** |  |
| **<spi–cl>** | **Clock to 0 when idle**  **RESPONSE SUCCESS: “Spi parameter set”**  **RESPONSE INVALID1: “unknown command”** |  |
| **<spi–cl>** | **Clock to 1 when idle**  **RESPONSE SUCCESS: “Spi parameter set”**  **RESPONSE INVALID1: “unknown command”** |  |
| **<i2c–a0xXX>** | **Set Slave address.**  **RESPONSE SUCCESS: “Slave Address set”**  **RESPONSE INVALID1: “unknown command”** |  |
| **<i2c–mt>** | **Generation of Start/repeat start condition + address will be send in write mode.**  **RESPONSE SUCCESS: “Sending address in write mode”**  **RESPONSE INVALID: “unknown command”** |  |
| **<i2c–mr>** | **Generation of Start/repeat start condition + address will send in read mode.**  **RESPONSE SUCCESS: “Sending address in read mode”**  **RESPONSE INVALID: “unknown command”** |  |
| **<i2c–w0xXX>** | **Byte Write request.**  **XX value in hexadecimal format [00 – FF]**  **RESPONSE SUCCESS: “Byte write enqueued”**  **RESPONSE INVALID: “unknown command”** |  |
| **<i2c–r>** | **Byte read request.**  **RESPONSE SUCCESS: “Byte read enqueued”**  **RESPONSE INVALID: “unknown command”** |  |
| **<i2c –q>** | **Get i2c commands in the queue.**  **RESPONSE SUCCESS: Output the i2c commands queue**  **RESPONSE INVALID: “unknown command”** |  |
| **<i2c –d>** | **Delete all i2C commands in the queue.**  **SUCCESS: “Queue free”**  **RESPONSE INVALID: “unknown command”** |  |
| **<i2c –x>** | **Starts i2c transfer.**  **RESPONSE SUCCESS: “Transfer Success” + byte read in HEX format if present.**  **RESPONSE INVALID: “Transfer Failure” + ERROR** |  |

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| REVISION HISTORY | | |
| VERSION | REVISION DATE | COMMENTS |
| 1 | 25/22/2021 | First Release |