**SBC2023 – Serial data and IR remote control codes**

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| **Motion** | **System Code** | **Command Code** | |
| ***Continuous motion while IR is received plus preset run-on*** (note 1) | | | |
|  |  | Hexadecimal | Decimal |
| Head/Backrest up | 30 (decimal)  Reserved NEC system number, unlikely to be used by available entertainment equipment. | 0x01 | 1 |
| Head/Backrest Down | 0x02 | 2 |
| Leg/Foot up | 0x03 | 3 |
| Leg/Foot down | 0x04 | 4 |
| Bed Up | 0x05 | 5 |
| Bed Down | 0x06 | 6 |
| Tilt/Trandellenburg up | 0x07 | 7 |
| Tilt/Trandellemburg down | 0x08 | 8 |
| ***Go to Preset positions*** | | | |
| Preset 1 | 30 | 0x11 | 17 |
| Preset 2 | 0x12 | 18 |
| Preset 3 | 0x13 | 19 |
| Preset 4 | 0x14 | 20 |

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| ***Programming instructions*** (note 2) | | | |
| Learn Preset 1 | 33 | 0x11 | 17 |
| Learn Preset 2 | 0x12 | 18 |
| Learn Preset 3 | 0x13 | 19 |
| Learn Preset 4 | 0x14 | 20 |

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| ***System Wake-up*** (note 3) | | | |
| Wakeup | 34 | 0x11 | 17 |

**Notes**

1. Use with systems that just give a single command burst such as speech recognition. The motor will run for a preset time each time the command is received. A series of repeated commands might be needed to reach a desired position.
2. Programming instructions must be received 3 times within 2 seconds to be valid and responded to.
3. This is a safety function, and the command must sent in response to the user giving a command such as “Bed wake up”. This will bring the bed control out of standby and be available for additional commands. The controller will revert to standby 60 seconds after the last command. The controller LCD backlight will be active while the unit is ready for commands.

**Wired serial data format**

Codes sent by serial data are sent 9600 BPS, 8NE as a 3 byte sequence:

Byte 1 – System code

Byte 2 – Command code

Byte 3 – Checksum consisting of simple 8 bit addition of previous 2 bytes