Caveatron Hardware Version Code Description
2019-11-06

Software Versions: 1.00 – 1.40

This is an 11 digit numeric code that defines the specific hardware components inside the Caveatron allowing for different hardware modules to be used with the same software. The table and list below describe what each digit of the code means and provides valid values for each parameter. Note that this list is only valid with the software versions listed above.

Character #	Value Range	Description
1	0-9	SD Card Data Storage
2	0-9	Display
3	0-9	Font/Graphics Storage
4	0-9	Laser Rangefinder
5	0-9	Compass
6	0-9	IMU/Gyro
7	0-9	Battery
8	0-9	Battery Gauge
9	0-9	Clock
10	0-9	Piezo Buzzer
11	0-9	Future Use

Example: 12221021110

SD Card Data Storage
1 = SPI Mode SD Card on Arduino Due

Display
1 = Original Coldtears 3.5" 480x320 LCD (With original Font IC. No longer produced – legacy only)
2 = Updated Coldtears 3.5" 480x320 LCD (With new Font IC and using UTFT_GHL library)
3 = Coldtears 4.0" 480x320 LCD (Uses UTFT_CTE library)

Font/Graphic Storage
1 = UTFT_CTE font library
2 = UTFT_GHL font library

Laser Rangefinder
1 = Uni-T UT390B version with verbose output
2 = Uni-T UT390B version with normal version
3 = JRT 100 m Laser distance module

Compass
1 = Pololu LSM303DLM, LSM303DLHC, LSM303D, AltIMU-10 v3, AltIMU-10 v4, or MinIMU-9 v3

IMU/Gyro
0 = None

Battery
1 = 4400 mAh 3.7V Li-Ion
2 = 5200 mAh 3.7V Li-Ion

Battery Gauge
1 = MAX17043 LiPo Fuel Gauge
2 = Sparkfun LiPo Battery Manager

Clock
1 = DS3231 RTC

Piezo Buzzer
1 = 1-3V directly driven Piezo Buzzer