REFLASHING TUNING
WinOLS - CHEAT SHEET

HP ACADEMY (HIGH PERFORMANCE)

COMMON CONVERSIONS

Decimal	Hexadecimal	Binary
2	0x02	0b00000010
4	0x04	0b00000100
8	0x08	0b00001000
16	0x10	0b00010000
32	0x20	0b00100000
64	0x40	0b01000000
128	0x80	0b10000000
256	0x0100	0b0000000100000000
512	0x0200	0b0000001000000000
1,024	0x0400	0b0000010000000000
2,048	0x0800	0b0000100000000000
4,096	0x1000	0b0001000000000000
8,192	0x2000	0b0010000000000000
16,384	0x4000	0b0100000000000000
32,768	0x8000	0b1000000000000000
65,535	0xFFFF	0b1111111111111111

SCALING FACTORS

Decimal System	Non Logic Numbers
10	12.06
100	42.6
1000	2.66
10000	2731
20	
40	
60	

POPULAR TOOLS FOR READING OPEN BINARY FILES.

- **CMD**
  Excellent coverage for VAG
  Fast opening time
  Great for European based
   ECU/TCU
  Expensive
  Requires subscription

- **KessV3**
  Wide range of vehicles
  Very good built in help menu
  Reliable programming
  Very slow software
  Well priced

- **Autotuner**
  Well priced
  No subscription
  Great logging features
  Very fast software
  Not massive coverage but
   what is there works very well

- **bFlash**
  Fair pricing
  Reasonable subscription
  Multiple tools within one tool
  Logging is very good
  Very good vehicle range

- **Dimsport**
  Wide range of vehicles
  Very good built in help menu
  Reliable programming
  Slow software
  Well priced

- **Femto**
  Excellent BMW support

- **Magic Motorsport**
  Large range of vehicles
  Excellent coverage for TCU
  No logging support
  Reasonable pricing
  Complicated tool structure

- **FGTech**
  Great for marine and
   motorcycles

- **VF2 Flasher**
  Good vehicle coverage
  Stand alone device
   no PC required
  Very good Hyundai support