This is an overview of abbreviations and acronyms used frequently at midibox.org. Many of these are also useful if you want to program in C or work with the function overview listings of MIOS:

Acronym	Meaning	Description
AIN	Analog INput	Input of a Voltage Range (norm. 0 to 5 V)
AOUT	Analog OUTput	Output of a Voltage Range (norm. 0 to 5 or 12 V) - also known as CV (Control Voltage) Outputs
BCD	Binary Coded Decimal	The three chars '1','2','7' represent the BCD of the integer 127
BS	BankStick	Non-volatile memory module based on the 24LC256 / 24LC512 EEPROM
CAN	Controller Area Network	Interface used to control up to 3 additional synths from the same frontpanel of MBSID V2. See http://www.ucapps.de/midibox_network.html
CLCD	Character Liquid Crystal Display	Displays Characters (see also GLCD)
DIN	Digital INput	Binary state input (ON/OFF), normally used for buttons
DOUT	Digital OUTput	Binary state output (ON/OFF), normally used for LEDs
EEPROM	Electrically-Erasable Programmable Read-Only Memory	
ENC	ENCoder	Similar in operation to a Pot (potentiometer), Relative Digital Pot, in-/decrementing single steps
Gnd	GrouND	Negative Voltage eg: 0V Reference. See Vss
GLCD	Graphical Liquid Crystal Display	Pixel based Display (see also CLCD)
HLP	HeLP / Higher Layer Protocol	
IIC/I2C	Inter-IC	Language Protocol often used for inter-microcontroller-communication
LCD	Liquid Crystal Display	
MBHP	MIDIBox Hardware Platform	If the MIDIbox was a PC, this would be the motherboard
MIOS	MIDIBox Operating System	If the MIDIbox was a PC, this would be windows
MF	Motor Fader	
MPROC	MIDI PROCessing Routine	
PWM	Pulse Width Modulation	1) A function provided by the MIDIbox SID to produce fat pulse sounds — or — 2) Allows to control a voltage level by pulsing a binary digital signal (ON/OFF) through a low-pass filter (e.g. a resistor/capacitor pair — or a motor fader)
SR	Shift Register	
SRIO	Shift Register Input/Output	MIOS scans the DIN and DOUT Shift Registers in parallel, this combination is mostly abbreviated to SRIO
Vdd/Vcc	Voltage Drain/Collector	Positive Voltage eg: +5V regulated supply. Voltage measured relative to Vss. Regulation is typically done on the Core board. Name refers to 'draining' or 'collecting' electrons (negatively charged) from the circuit.

Acronym	Meaning	Description
Vss/Vee	Voltage Source/Emitter	Negative Voltage eg: 0V Reference. Also called “Ground”, “Gnd”, “Shield”, and less often, “Earth” or “Chassis”. Usually in an audio application, the 0V line is connected to the chassis. This 0V line is particularly susceptible to noise, so care should be taken with wiring this line. Name refers to the 'source' 'emitting' electrons (negatively charged) into the circuit.

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