

This is an overview of abbreviations and acronyms used frequently at [midibox.org](https://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
<a href="#">AIN</a>	Analog INput	A module which accepts input of a Voltage Range (normally 0 to +5 V)
<a href="#">AOUT</a>	Analog OUTput	A module which outputs a Voltage Range (norm. 0 to 5 or 12 V) - also known as CV (Control Voltage) Outputs
<a href="#">ASM</a>	ASseMbly Language	
<a href="#">BCD</a>	Binary Coded Decimal	The three chars '1','2','7' represent the BCD of the integer 127
<a href="#">BS</a>	BankStick	Non-volatile memory module based on the 24LC256 / 24LC512 EEPROM
<a href="#">CAN</a>	Controller Area Network	Interface used to control up to 3 additional synths from the same frontpanel of MBSID V2. See <a href="http://www.ucapps.de/midibox_network.html">http://www.ucapps.de/midibox_network.html</a>
<a href="#">CLCD</a>	Character Liquid Crystal Display	Displays Characters (see also GLCD)
<a href="#">DIN</a>	Digital INput	Binary state input (ON/OFF), normally used for buttons
<a href="#">DOUT</a>	Digital OUTput	Binary state output (ON/OFF), normally used for LEDs
<a href="#">EEPROM</a>	Electrically-Erasable Programmable Read-Only Memory	
<a href="#">ENC</a>	ENCoder	Similar in operation to a Pot (potentiometer), sometimes called a "relative" or "digital" pot, in-/decrementing single steps
<a href="#">Gnd</a>	GrouND	Negative Voltage eg: 0V Reference. See Vss
<a href="#">GLCD</a>	Graphical Liquid Crystal Display	Pixel based Display (see also CLCD)
<a href="#">HLP</a>	HeLP / Higher Layer Protocol	
<a href="#">IIC/I2C</a>	Inter-IC	Language Protocol often used for inter-microcontroller-communication
<a href="#">LCD</a>	Liquid Crystal Display	
<a href="#">MBHP</a>	MIDIBox Hardware Platform	If the MIDIbox was a PC, this would be the motherboard
<a href="#">MIOS</a>	MIDIBox Operating System	If the MIDIbox was a PC, this would be windows
<a href="#">MF</a>	Motor Fader	
<a href="#">MPROC</a>	<a href="#">MIDI</a> PROCessing Routine	
<a href="#">PWM</a>	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)
<a href="#">SR</a>	Shift Register	
<a href="#">SRIO</a>	Shift Register Input/Output	MIOS scans the DIN and DOUT Shift Registers in parallel, this combination is mostly abbreviated to SRIO

Acronym	Meaning	Description
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.
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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