

recommended to use a “selfpowered” USB Hub like this one from Reichelt. It also decouples the power from the (noisy) PC supply, and allows to run the MIDlbox without a PC connection.

Parts List / Schematic

See [AINSER8 Parts List](#)

- [Schematic](#) ^{UCapps}

Inputs/ Outputs Port Table

Port	Pins #	Description
J2	10	Serial input which is usually connected to J19 of MBHP_CORE_STM32F4 module.
J3	10	Serial output which could be used to chain multiple MBHP_AINSER* modules. Please note: the standard AINSER driver for MIOS32 doesn't support this method! Instead it expects that multiple modules are connected to J19 in parallel, and that they are using dedicated chip select lines (selected via jumper J4)!
J4	3	A jumper has to be connected to this port to select the first or second chip select line of J2 for accessing the ADC.
J6	10	8 analog inputs and 5V (=Vd) / Ground (=Vs) connections. Please note: all unused analog inputs have to be clamped to ground (Vss) , otherwise your MIDlbox will send out a lot of random MIDI events

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