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Thank you for purchasing the WMD Synchrondyne Expand. This quick start guide will show you how to connect it to your Synchrondyne and the flow chart on the back diagrams the connections for simplicity.

We have decided not to include a full print manual for two reasons. One, to do so takes a lot of paper, we have an online manual at:

<http://wmdevices.com/synchrondyneexpandmanual.pdf>

Two, we want to encourage creativity by having you teach yourself what the controls and functions do.

Of course, you can always contact WMD with questions:

info@wmdevices.com

Installation

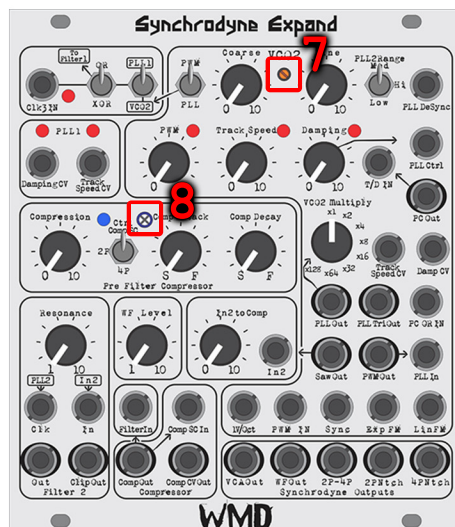
The image to the right shows the expansion's proper installation. Typically the expansion will be installed on the right hand side of the Synchrondyne.

Steps:

1. Remove jumper sockets from the Synchrondyne's expansion headers.
2. Remove the jumper socket by the blue single-turn trim pot on the Synchrondyne. This allows the wave-folder level to be changed on the Expand module.
3. Attach cables as shown. Use the cable with pin 5 cut out on the lower header.
4. Attach power to both modules and install in rack.

Jumper settings still apply:

5. The Synchrondyne has the AC/DC linear FM coupling jumper.
6. The Expand has a jumper for AC/DC coupling of the Compressor circuitry. Jump for DC.
7. This trim pot sets the 1V/Octave calibration for the Expand's VCO. Adjust if need be. Clockwise increases the range produced by 1V.
8. This trim pot sets the Compressor's Threshold, adjust clockwise for lower threshold or earlier onset of compression.



Synchrondyne Expand

Notable Information

The Synchrondyne is 14HP, Expand is 22HP. Total is 36HP.

SYNCHRODYNE Current consumption is +60mA -50mA.

EXPAND Current consumption is +90mA -80mA.

SYNCHRODYNE + EXPAND Current consumption total is +150mA, -130mA.

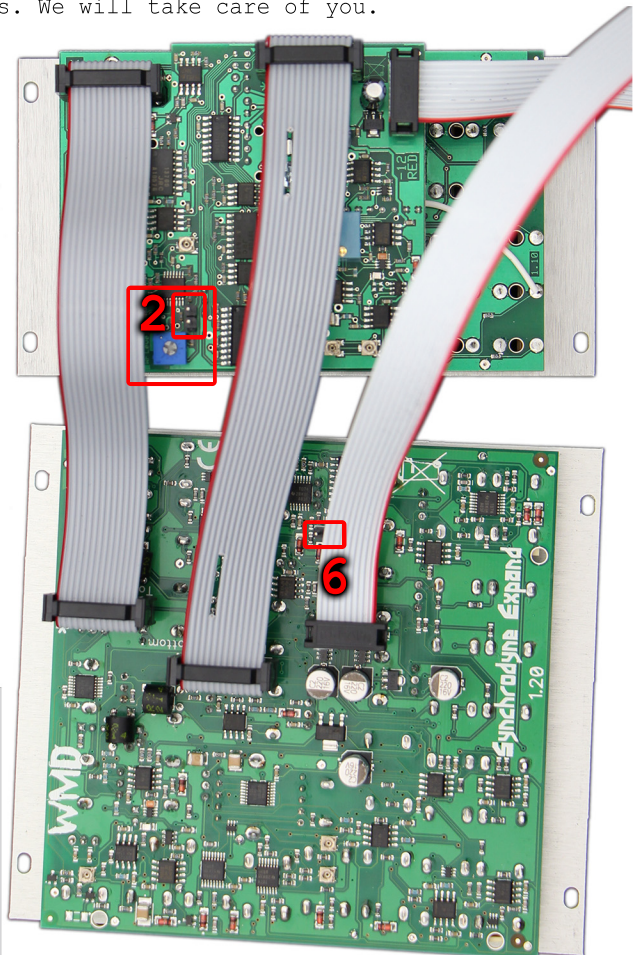
The majority of the audio circuitry runs at +-5 volts and uses high-speed rail to rail opamps.

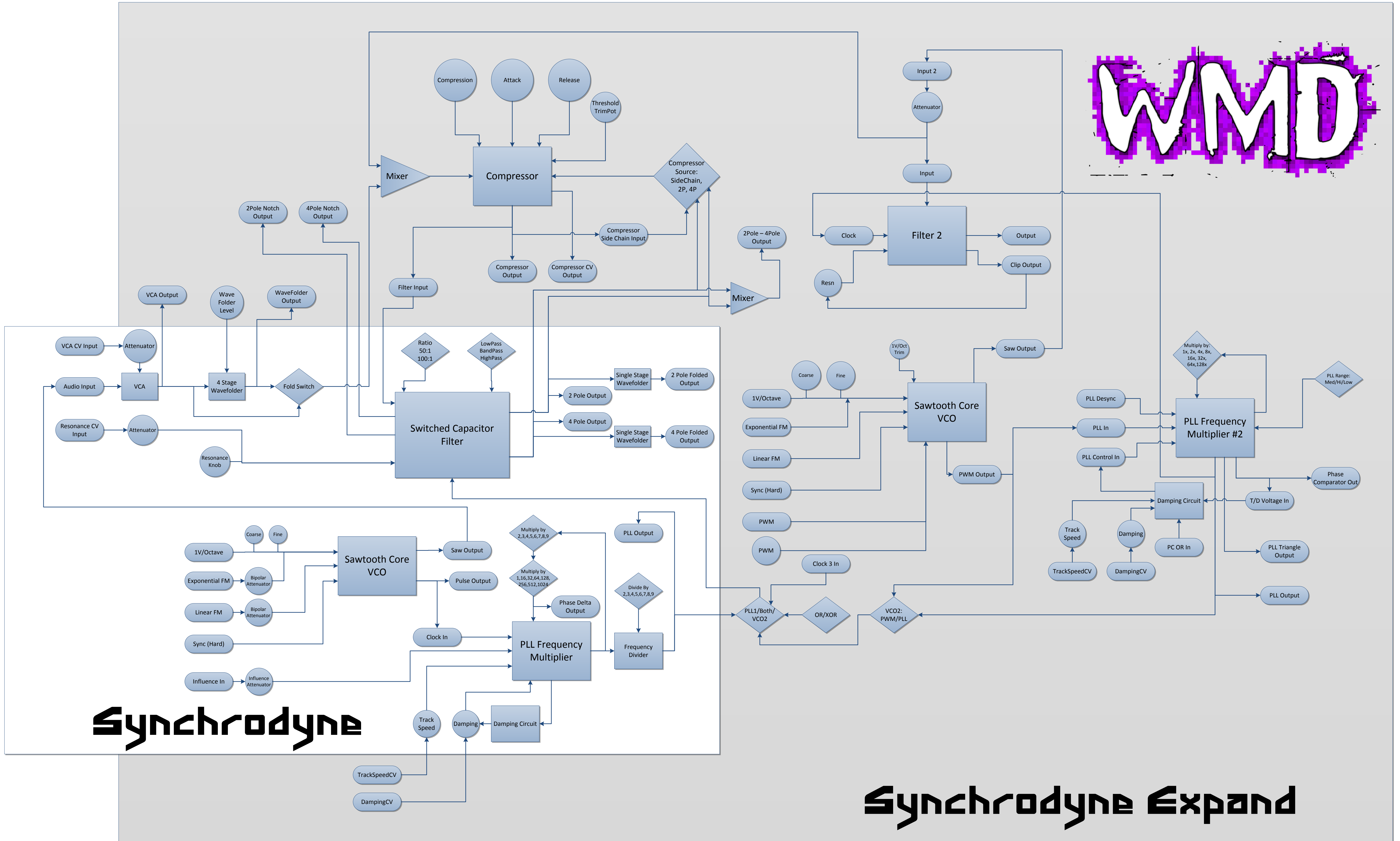
The depth from the back of the panel is roughly 45mm with connectors. The Expand is thinner than the Synchrondyne.

They Synchrondyne and Expand are reverse polarity protected.

The Synchrondyne and Expand are RoHS and CE compliant.

The Synchrondyne Expand is under warranty for 12 months after purchase. But please contact us if you ever have problems. We will take care of you.





Synchrodyne

Synchrodyne Expand