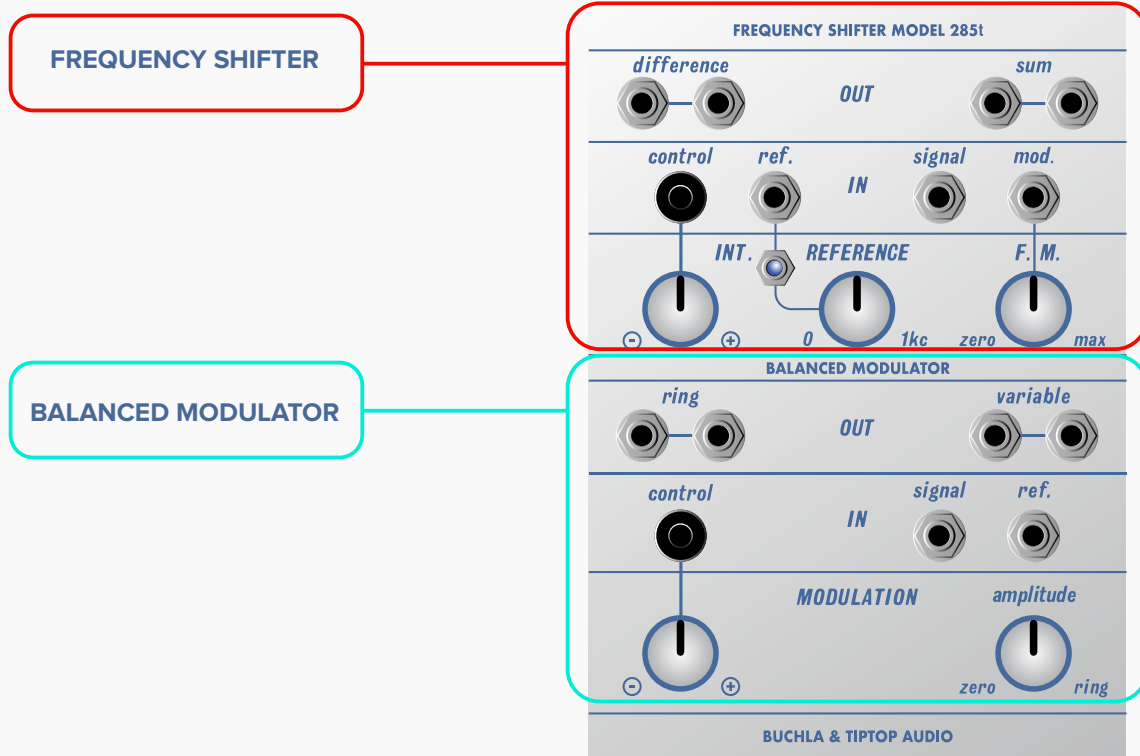


FREQUENCY SHIFTER - MODEL 285t



FREQUENCY SHIFTER

BALANCED MODULATOR

The resulting shifts are present at the “**difference**” and “**sums**” outputs. There are two identical outputs for each of these.

The **CV input** is sent to the **INT** oscillator only and can be varied with its **attenuverter**.

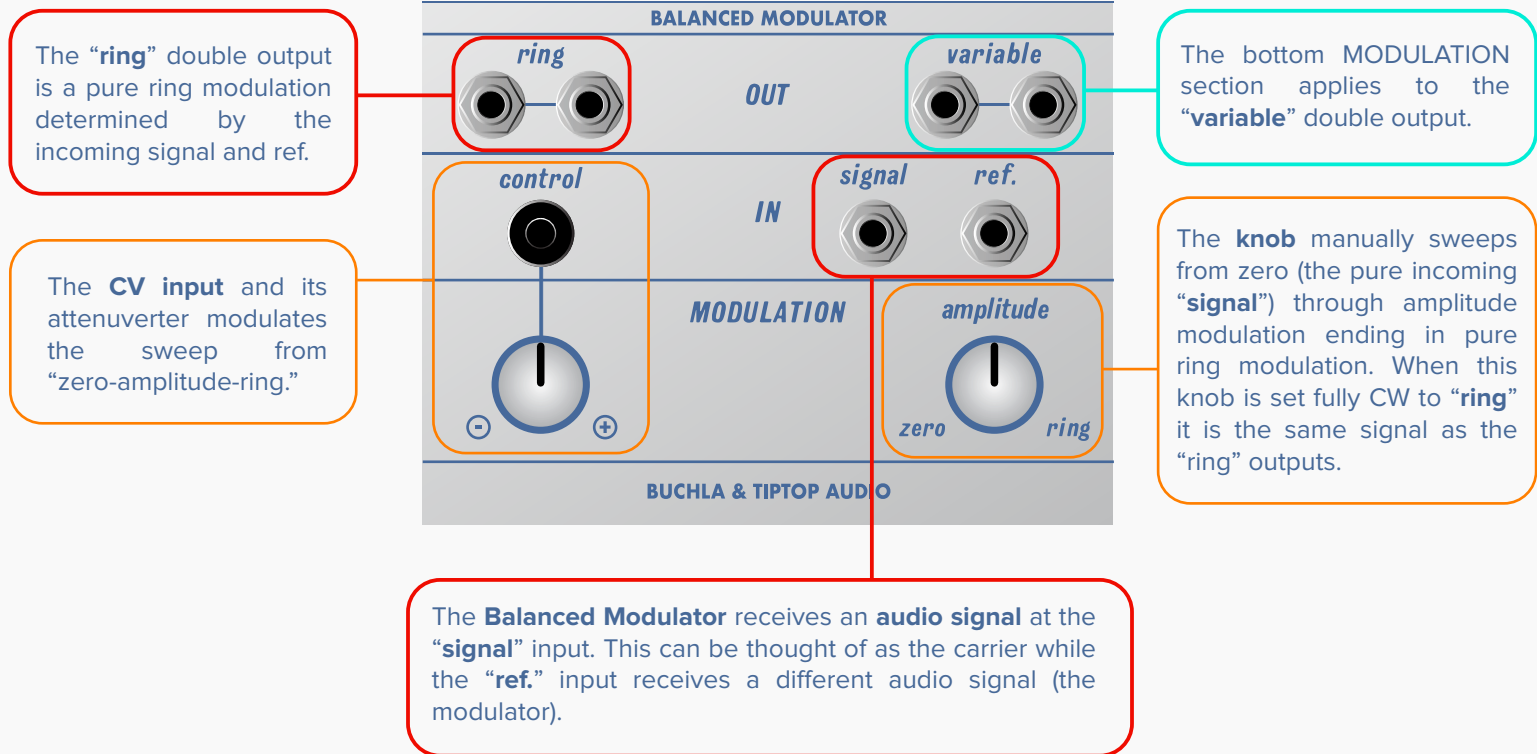
FM receives an audio input and can be applied to **INT**. The **amount** of modulation is determined by the **attenuator knob**.

The **Frequency Shifter** receives and **external audio** at its “**signal**” input then shifts it with either its internal oscillator “**INT**” or with an **external oscillator** at the “**ref.**” input. There is a **switch** to choose either **INT** or **ref.** The **INT** oscillator frequency goes from **0** to **1kc**

Buchla TIPTOP audio

Eurorack 200 series

QUAD FUNCTION GENERATOR - MODEL 281t



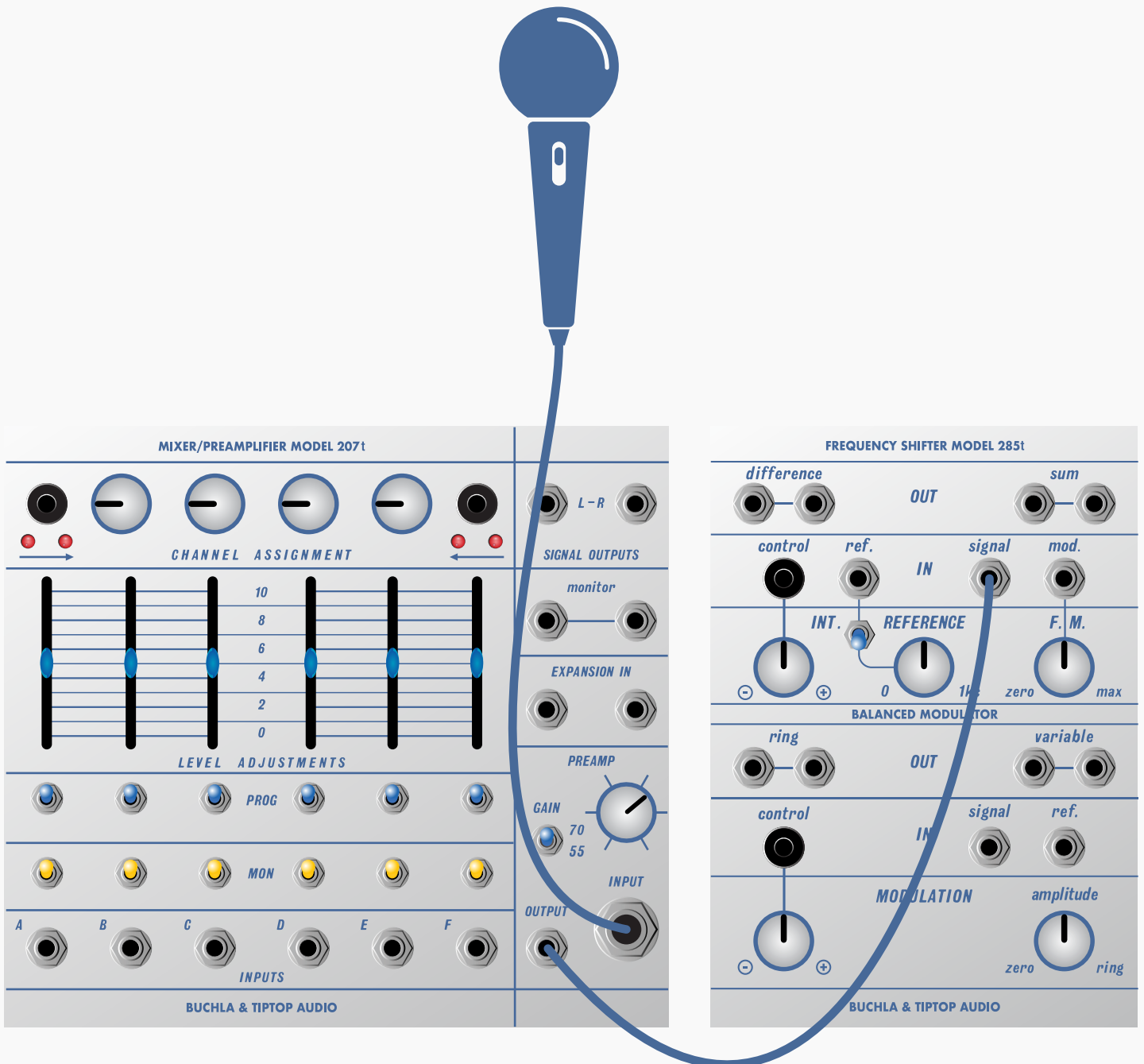
Size: 18HP - Depth: 45mm - Power: +12V 50mA / -12V 44mA

Buchla TIPTOPaudio

Eurorack 200 series

FREQUENCY SHIFTER - MODEL 285t

The **285t Frequency Shifter** is an interesting module for processing audio samples or live voice input via a microphone through the **207t Mixer/Preamplifier** module. The "sum" and "difference" outputs from the 285t can then be routed to the **292t Quad Lopass Gate**, creating dynamic tone shaping. By further splitting the processed signals into the left and right channels, this setup allows for a rich **stereophonic effect**.



Buchla TIPTOPaudio

Eurorack 200 series