I-ō47
Multimode Resonator / Filter

| ʌɪ-əʊ-ˈfɔːti-ˈsɛv(ə)n | **noun** (signal procesing) the in's and out's of a classic multimode filter/resonator

CENTRE FREQUENCY CONTROL
(COARSE / FINE ADJUST AND 1V/OCT)

FREQUENCY MODULATION INPUT
(WITH ATTENUVERTER)

Q / RESONANCE
(WITH AUTOMATIC GAIN COMPENSATION OVER SECONDARY INPUT)

PRIMARY INPUT
(WITH GAIN CONTROL AND LIMITER)

LIMITER BYPASS SWITCH

SECONDARY INPUT
(INVERTS SIGNAL / AMPLITUDE REDUCES AS Q CONTROL IS INCREASED)

FEEDBACK SWITCH
(ALLOWS FOR SELF OSCILLATION WHEN ENGAGED)

STRIKE
STRIKE INPUT TO EXCITE THE FILTER

FILTER OUTPUTS
LOWPASS, BANDPASS, HIGHPASS, NOTCH FILTER

Q / RESONANCE

IN AMPLITUDE

NOTCH FILTER

NOTCH OUTPUT CAN BE OFFSET FROM THE CENTRE FREQUENCY