

The *Antonius 2600* is based on the classic gray "gray face" version of the ARP 2600 for that reason shares the same electronic components and specifications.

The following elements and modules that make up the 2600 system are:

OSCILLATORS (ARP 4027)

COMMON FEATURES

- Manual frequency adjust, coarse and fine
- Manual frequency range adjust from 10hz to 10khz aprox.
- Voltage control frequency ranges 1 cycle every 4 minutes to 55kh aprox.
- High and Low frequency switch selector
- 4 Frequency modulation inputs
- Ascending ramp wave output
- Output level 10vpp

VCO 1	VCO 2	VCO 3
- Square wave (50%) output	- 1 Pulse width modulation input - 1 Manual control for pulse width - Variable pulse output - Sine wave output - Triangle wave output	- 1 Manual control for pulse width - 1 Variable pulse output

VCF (ARP 4012)

- Manual frequency adjust, coarse and fine
- Manual control for resonance
- Slope: 24 db/oct
- Type: Low pass filter
- 5 channel audio mixer DC coupled
- 3 CV inputs for frequency control

VCA (ARP 4019)

- Positive phase input
- Negative phase input
- CV control for lineal amplitude modulation
- CV control for exponential amplitude modulation
- Manual initial gain control

ENVELOPE GENERATOR (ARP 4020)

ADSR	AR
- Manual control Attack time - Manual control Decay time - Manual control Sustain level - Manual control Release time - Minimum Attack time = 1,40 miliseg. - Minimum Decay time = 6,40 miliseg. - Minimum Release time = 520 microseg. - Maximum Attack time= 1,50 seg. - Maximum Decay time = 6 seg. - Maximum Release time= 6 seg. - Output level= 10v - ADSR Envelope output - Common trigger for ADSR + AR	- Manual control Attack time - Manual control Release time - Maximum Attack time= 5 sec - Minimum Attack time 20 milisec - Maximum Release time = 5 sec. - Minimum Release time = 2,5 milisec. - Output level= 10v - AR envelope output

RING MODULATOR (ARP 4014)

- Manual control for carrier signal
- Manual control for modulator signal
- AC or DC signal input switch selector

VOLTAGE PROCESSOR

Inverters:	Lag:
- 3 attenuable inputs - 3 non attenuable inputs - 2 outputs	- Lag processor input - Lag time manual control - Lag output - Minimum lag time: 340 microseg. - Maximum lag time 5 seg. - Slope (for audio filtering) 6db/oct - Maximum cutoff: 1600 Hz - Minimum cutoff: 1,6 Hz

SAMPLE AND HOLD (ARP 4015)

- Internal clock = 1 cycle every 5 seconds to 90 Khz aprox.
- Clock frequency manual adjust control
- Clock output
- External clock input
- Sample input
- Frequency sample more than 40 Khz.
- Ascending minimum pulse time 10 microseconds, minimum level 5v and not less sustain than 20 microseconds.
- Sampling time less than 25 microseg.
- Sampled signal output
- Manual control for level of Sample and Hold signal input

ELECTRONIC SWITCH

- 2 to 1 electronic switch
- Bidirectional
- DC coupled
- Internal clock hardwired

NOISE GENERATOR (ARP 4022)

- 1 Output noise signal, maximum level 20vpp
- Manual control for noise spectrum
- Manual control for noise level

GAIN PROCESSOR

- AC signal coupled
- Manual gain adjust
- Switch for gain multiplier = 20, 40, 60 Db
- Amplified output

ENVELOPE FOLLOWER

- 1 input, with manual control for level
- 1 output, 10vpp max.
- Minimum response time 30 milliseconds

OUTPUT MIXER

- 2 DC coupled inputs
- 2 manual controls for signal level
- 2 outputs with break chain
- 1 control for PAN output
- 3 inserts with no attenuation
- 2 audio outputs, left and right

REVERB

- Long tank 2+2 springs
- 1 no attenuated input signal
- 2 manual control for output level
- 2 channels phase and negative phase normalized to the output
- 1 direct output, phase signal

MULTIPLE

- 4 pasive points

HEADPHONES OUTPUT

- Impedance 8 Ohm

POWERED SPEAKERS

- 2 channels
- 3" diameter
- Impedance (Ohm) 8
- Maximum power 22 Watt RMS
- SPL (dB) 82
- Frequency response (-8dB)(Hz)100-20 KHz
- Resonance frequency (Hz)130

MIDI ADD ON

INTERFACE MIDI to CV:
<ul style="list-style-type: none"> • 1 CV channel for tune (5 octaves max) (0-5v) • 1 channel GATE (+10v) • 1 channel CV auxiliar (0-5v) • Additional CV input volt/oct • Additional GATE input • Direct GATE INPUT (post midi) • CV auxiliar output • Configurable via MIDI SYSEX