

DUET VCA



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The Duet VCA is a USB and Video Codec application speakerphone. It has a built-in microphone and speaker, paired with advanced echo cancellation and noise suppression technologies, making it a very powerful yet portable tabletop VoIP and analog conferencing solution.

Its light weight and discrete design make it ideal for hands-free desktop conferencing, while its powerful pickup and speaker volume give it a large range of coverage.

The Duet VCA is made out of an aluminum body which makes it exceptionally durable and great for travel. It provides a high quality speakerphone solution for desktop users, while maintaining a user friendly, plug-and-play, mentality. It does not require expert knowledge or additional driver installations in order to use or install.

The Duet VCA is ideal for:

- Small offices or home offices
- Personal home or dorm room conferencing
- Conferencing on the go

FEATURES:

- System is quieting pickup for analog (RCA) input jacks
- Small footprint size works with video codec applications
- Full duplex communication
- Echo cancelling

The Duet VCA is compatible with PC (Windows and Linux) and Macintosh (MAC OS).


- Noise suppression
- Automatic gain control
- Plug and play
- External loudspeaker connector
- Durable aluminum casing
- LED lit control buttons

The Duet VCA connects via:

EACH UNIT INCLUDES:

- USB to your computer - this connection is for any session using a computer, such as Voice Over IP applications (Skype, Vidyo, etc).
- Dummy plug

RCA International Video Conferencing application or any analog device - this connection is for any session using a system that requires an analog audio input/output.



Size

3.75 in x 1.25 in x 4.5 in (W x H x D)

Weight

0.55 lbs (with USB cable)

Power

USB power for PC and Laptop (LED will illuminate)

External power supply included for VC only configurations

(when Duet is not plugged into the PC)

Audio

 [Duet Operating Manual](#)

100% Full duplex performance – no attenuation (either way) during full duplex

 [Duet VCA Datasheet](#)

Acoustic echo cancellation >40 dB

High-end performance: conforms to ITU-T G.167 Standard

Noise cancellation >10dB

Residual echo is suppressed to the environment noise level to prevent artificial ducking of signal

Voice level equalization

Convergence speed 40 dB/sec

Tail length (200ms)

Convergence during full duplex (no recovery time after full duplex)

Low delay (10 msec)



16KHz sampling rate for speech processing - maintains the sound card bandwidth

Integrated loudspeaker

Mute button and loudspeaker volume control buttons (LED will blink in mute mode)

Performance

Speech processing and echo suppression at 32KHz sampling rate

HD speaker audio (16KHz bandwidth)

Maintains audio performance of the PC for HiFi audio applications when external speakers are connected.

Plugging in external speakers will automatically turn off the speakerphone.

Connectivity

USB connector – PC or Laptop connectivity and power

RCA jacks for analog audio input/output

3.5mm connection for external loudspeakers or headphone

Warranty

Two years