

Microphone Selections for Vortex[®] Devices

Application Note

Polycom Installed
Voice Business Group
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Microphone Selections for Vortex Products

I. Wired (Fixed Location) Microphones

Nearly any microphone will work with the Vortex products. If you don't already have a particular microphone in mind, below are some common selections in alphabetical order. If links wrap to the next sentence and don't work on a click, cut and paste the link into your internet browser.

ASTATIC 201

<http://www.atic.com/commercial/>

Tabletop or ceiling mounted cardioid microphones. The 202 version is omnidirectional.

ASTATIC 901

<http://www.atic.com/commercial/>

Tabletop boundary style microphone with cardioid pickup pattern.

AUDIO TECHNICA AT851A

<http://www.audio-technica.com> (follow links to products page)

Tabletop boundary style microphone with cardioid pickup pattern.

AUDIO TECHNICA AT854R

<http://www.audio-technica.com> (follow links to products page)

Four independent microphone elements (takes up 4 mic inputs on the Vortex).

BEYERDYNAMIC MPC 22 SW

http://www.beyerdynamic.com/cms/Acoustical_Boundary.59.0.html?&L=1

Table mounted directional microphone. Point towards the talker!

Can be ordered white or black.

BEYERDYNAMIC MPC 66 V WS

http://www.beyerdynamic.com/cms/Acoustical_Boundary.59.0.html?&L=1

Boundary style cardioid microphones. Available in white or black.

CLOCK AUDIO

<http://www.microphones-audio.com/brochure/acatalog/Boundary-Layer.html>

Boundary style cardioid microphones.

SHURE EZO

<http://www.shure.com/microphones/models/ezo.asp>

Hanging mics that are often used in ceiling mic configurations.

SHURE MX412 AND MX418

<http://www.shure.com/microphones/models/mxgooseneck.asp>

Gooseneck microphone with 12 or 18 inch length.

II. Wired Push-To-Talk Microphones

Push-to-talk, or PTT microphones remain in an “off” mode until a button is pressed. This button is normally located at the microphone. Many varieties of PTT microphones are available; here are a few options that can be used with your Vortex product.

AUDIO TECHNICA U891RC

<http://www.audio-technica.com> (follow links to products page)

A wide-range condenser microphone with a cardioid pickup pattern. The on/off switch can be set to three different operating modes. This microphone includes extra conductors that can be wired to the logic ports on the Vortex.

CROWN PCC170SWO

<http://www.crownaudio.com/pdf/mics/101793.pdf>

A surface-mounted supercardioid microphone with a programmable on/off switch. This microphone includes extra conductors that can be wired to the logic ports on the Vortex.

SHURE MX392/C

<http://www.shure.com/microphones/models/mxboundary.asp>

Tabletop boundary style microphone with cardioid pickup pattern. /C stands for cardioid version. Has unterminated ends – easy to put into mini phoenix connectors. Also has a programmable push to talk button.

SHURE MX393/C

<http://www.shure.com/microphones/models/mxboundary.asp>

Similar to MX392 but with mini-XLR connector.

III. Wireless Microphone Options

Many companies manufacture wireless microphone systems. As a resource to help you select a wireless microphone system, we have provided links to various manufacturers' websites, again in alphabetical order. This list is by no means complete, but should give you a good sampling of the systems that are available for installed room use. Note that a wireless microphone system will normally provide a line level output to your Vortex product.

You should not use a wireless microphone system if security is an important issue. Wireless microphone systems operate at radio frequencies, meaning the signal is not restricted to the room containing the microphones and can be picked up by someone with a scanner outside the room.

AUDIO-TECHNICA

Information on their wireless microphone products can be found at:

<http://www.audio-technica.com> (follow links to Support, then to Using Wireless Systems)

This page contains useful information on selecting wireless systems as well as troubleshooting.

AZDEN

The following link takes you to Azden Corporation's wireless microphone products:

<http://www.azden.com/proaudio.html>

BEHRINGER

This link will take you to Behringer's diversity wireless microphone system:

http://www.behringer.com/02_products/microphone_index.cfm?lang=ENG#WIRELESS%20MICROPHONE%20SYSTEMS

SENNHEISER

This page has information on Sennheiser's wireless microphone products:

<http://www.sennheiserusa.com/newsite/category.asp?transid=cat56>

SHURE

For information on a variety of Shure wireless microphone systems and options, follow this link.

http://www.shure.com/wireless/wireless_microphone_options.asp

TELEX

Information on Telex wireless microphone systems can be found here:

<http://www.telex.com/WirelessMicrophones/products.nsf/pages/ProductType=Wireless%20Microphones>

TOA

For information on Toa's wireless microphone systems, follow this link:

<http://www.toaelectronics.com/mic0000.asp>

IV. Technical Support

For technical support on the Vortex product line, call toll-free (USA/Canada) 888-248-4143, then select option 1, then option 3.

For exclusive Integrator and Consultant focused support (through our PASS program), dial 1.408.474.2048; this number will get you help on video and Vortex products.

For general technical support, dial 1.800.POLYCOM

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