



# solo<sup>®</sup> conferencing & collaboration wireless

# FAQs



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## **How many Executive systems can be run at one time?**

Three base systems link for a total of 24 mics in one system.

## **What sort of range do the microphones have?** 30 Meters

## **Can you reduce the RF output?**

Optional accessory RF attenuators let you reduce the output range down to 5-10 Meters.

## **What sort of polar pattern do these microphones have?**

Cardioid, with about 20-30db roll-off on the back side of the unit

## **What sort of talk time is expected on the Solo?**

The Solo has 8-hour talk time and recharges to 80% capacity within one hour.

## **What sort of wireless technology does this use?**

It's a proprietary RF signal. The audio that is being transmitted is digitally multiplexed and encrypted with 128-bit technology

## **Is the audio band-limited?**

Yes. The solo has an audio frequency range of 100-8,000Hz, especially well-suited for speech reproduction.

## **Do the microphones require "line of site" for operation?**

No, the signal is radio frequency transmission, so it can go thru clothing and walls.

## **The Executive base has 4-5 antennas, why?**

Each of the four main antennas take care of the RF transceiver function of two solos. The 5th antenna is used to communicate data from the charger base for functions like global mute and "mobile" users.

## **What is conference "mobility"?**

Conference mobility allows you to take your Solo and join any conference simply by walking into the conference and touching your Solo into the charger base.

## **Can the antennas be remotely mounted?**

Yes, the connectors are SMA type with any quality 50 ohm cable.

## **What is the full duplex feature of the Executive System?**

The Executive base features 8 independent outputs along with 8 independent inputs. Each Solo mic includes a mini-plug output and comes supplied with an ear bud. This allows you to walk out of the conference room and maintain full two-way-audio-connection to the conference.

## **When are the units shipping?**

First production units are scheduled to be available by the end of April 2006.



## Frequently Asked Questions



### **Can you tell me more about your wireless configuration?**

We based the SOLO ® system on a proprietary version of the DECT stack. DECT is the standard for cordless telephone applications. Using digital spread spectrum the SOLO ® microphones are constantly monitoring their environment and hop channels when required. Our system uses technologies such as forward error correction to ensure true high fidelity voice.

### **Is this a Bluetooth System?**

No. While Bluetooth works well for many consumer applications it has inherent limitations that restrict its use in the corporate environment. The SOLO® Executive System uses a proprietary 1.9 Ghz wireless system. The audio is digitally multiplexed and encrypted.

### **What is the function of the rack base antennas?**

The Rack Base has five antennas. Four of the antennas are dedicated to the microphones; each single antenna supports two microphones. The fifth rack base antenna connects the charger base station to enable the master mute capability.

### **What is the range of the system?**

Subject to variations in building construction, the system is designed to operate with a radius of 30 Meters. The footprint can be altered by moving the antennas away from the rack base station. The antennas are SMA type and can be remotely mounted with any quality 50 ohm cable.

### **What if there are other conference rooms within that 30 meter range?**

If there are other conference rooms that also intend to use SOLO® systems, it is necessary to reduce the range of each system. This can be accomplished by installing attenuators in each antenna's connector.



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# Frequently Asked Questions

## Is the SOLO® Executive System full duplex?

Yes. Each microphone has an ear bud jack on the bottom. This allows users to leave the immediate vicinity of the conference and continue to hear both sides of the conference.

## How do audio sources get back to the microphones/ear buds?

The rack base station has 8 output channels representing a separate channel for each microphone. Likewise, the base station has 8 input channels, one for each ear bud jack. Depending on the application it is possible to feed a single mixed channel back to all ear buds or, alternatively, each user can receive a separate and unique channel. This would allow for translation or other services to be incorporated into an application.

## Is the Audio band-limited?

Yes. The Solo® has an audio frequency range of 100-8,000 Hz. It has been designed to be especially well-suited for speech reproduction and transcription.

## What are the mute capabilities of the System?

Each microphone has its own mute button. When in the mute position an LED on the top of the microphone flashes red, when un-muted, it flashes green.

In addition, the charger base station also has a master mute button. If the master mute button is pressed all microphones enter the mute mode and can not be individually overridden. When the master mute button is again pressed, each microphone in the system returns to its individual, previous state of mute or un-mute.

If multiple systems are installed in a room pressing the master mute button mutes all interconnected systems.

## How many microphones can be used in a room?

Each SOLO® Executive system can support up to 8 individual microphones. Up to 3 SOLO® Executive systems can be included in any one installation allowing for a maximum of 24 microphones in a given conference room.

## How are multiple systems coordinated?

If more than one Rack Box is mounted in a room, each rack mount communication box is interconnected with a sync cable. One box then becomes the Master and the others become slaves. The Master unit manages the entire spectrum and allocates microphones across the available channels to eliminate frequency conflicts.



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# Frequently Asked Questions

## What sort of polar pick up pattern do these microphones have?

Cardioid. In addition, each microphone has integrated noise rejection providing a 20-30 db roll-off on the back side of the unit.

## Is the battery user replaceable?

No. The Lithium Polymer battery that is used in the microphone has an expected life of 5-7 years.

## What is the power consumption?

The SOLO® system incorporates the latest in battery and power management technology. The microphone batteries support 8 hours of talk time and up to 36 hours of standby time. In addition, a 1 hour recharge is sufficient to bring the units back to 80% of charge capacity.

## How do you stop microphones walking out of the conference room?

When a user goes out of range wearing a microphone, an audible alarm will beep to alert the user to return to the room.

## What is the replacement cost of the microphones?

Registered users of the SOLO® system are entitled to a special lifetime microphone replacement fee of \$199.

## What about privacy considerations?

The SOLO® system utilizes 128 bit encryption on each individual microphone transmission.

## How is the System impacted by Blackberries and Nextel Phones?

There is no impact.

## When will the SOLO® Executive System be available?

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