



Aastra S850i Conference Phone Product Description

Aastra

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Aastra S850i is a SIP-based wireless conference phone delivering a new level of freedom and flexibility for audio and video conferencing

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1 Introduction to S850i Wireless Conference Phone

Market Overview

In a world where businesses must remain in touch with remote workers, global teams, partners and customers, audio and video conferencing have become important productivity tools that enable organizations to communicate and collaborate more efficiently and effectively. Making sure that everyone can be clearly heard during these calls is critical and as such the conference phone that is used plays a vital role in the success of any conference call. Not only must it deliver high quality, reliable and secure audio communications, it must be easy to deploy, program and use. The S850i wireless conference phone from Aastra delivers all of this and more. Designed for use in conference rooms, boardrooms, private offices and wherever else there is a need for conferencing, the wireless architecture of the S850i enables it to be configured for use anywhere it can be connected to the IP network via an Ethernet outlet. As the S850i is a SIP-based open standard system it is compatible with Aastra communication servers and multiple third-party PBX platforms.

Wireless Freedom

The S850i wireless conference phone from Aastra, comprised of one wireless speaker, two omnidirectional microphones and a handset dialer, completely transforms the conference call experience. Employing the latest in secure wireless audio technology, the S850i is designed specifically for use in conference rooms, boardrooms and executive offices. The S850i gives users unprecedented freedom with respect to placement and accessibility of the wireless speaker, microphones and handset dialer to meet the needs of the conference call setting.

Supporting wideband audio technology, the S850i delivers superior sound quality and performance meeting all of your audio and video conferencing needs. The audio auxiliary IN and OUT connection ports allow integration with video conferencing solutions such as the Aastra BluStar™ for Conference Room and enable connectivity with PC applications including the Aastra BluStar™ for PC.

The S850i provides excellent acoustic echo cancellation and the conference phone is immune against GSM interference. Using the latest and most innovative technologies the S850i allows you to hear and be heard effortlessly.

Completely wireless, the Aastra S850i is a unique marriage of innovative technology and ergonomic design allowing unparalleled freedom and flexibility for audio and video conferencing.

S850i highlights

- No more wires on the conference table
- Wireless flexibility for small, medium or large conference rooms
- Superior audio quality and high pickup range with two omnidirectional microphones
- Conference calls or private calls can be made using the handset dialer
- One touch toggle to switch between private and conference calls
- Connect to a video conferencing unit such as Aastra's BluStar for Conference Room
- Connectivity with PC applications such as Aastra's Blustar for PC with optional USB connector kit
- Bluetooth enabled, allows S850i to be the speaker and microphone for cell phone calls

- Excellent acoustic echo canceller for speaker and microphones allows for a natural conversation
- The S850i is compatible with Aastra's MX-ONE, A400, A5000 and Clearspan communication servers and multiple third party PBX platforms

2 Functionality

Outstanding flexibility and excellent voice clarity are the core values of the S850i conference phone. The wireless components can easily be placed wherever needed to provide the best conference call experience.

2.1 Overview of Conference Phone Components

The product components are designed to optimize table space, and give users the freedom to place the components where required.



Aastra S850i components:

- Speaker: excellent voice clarity
- Handset Dialer: place conference or private calls, and change/configure system settings
- Two Omnidirectional Microphones: capture voice from all directions
- Wireless Base Unit: wireless signaling to the speaker, microphones and handset dialer with Ethernet connection to the communication server
- Charger Tray: charging cradle for microphones, speaker and handset dialer

2.1.1 Handset Dialer

The S850i Handset Dialer has an intuitive interface which enables users to easily manage call handling and phone configuration.

The Dialer allows placing and receiving calls in private or conference mode, and switching between the two through one touch toggle.

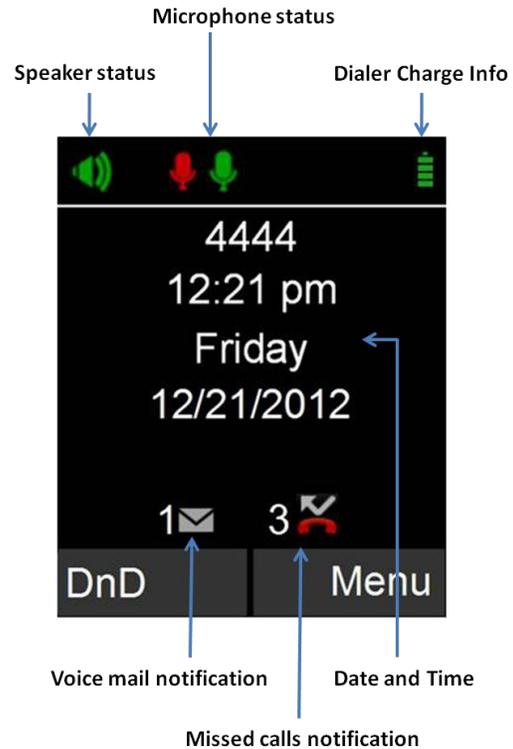
Up to 100 contacts can be stored in the Dialer, and the Recent Call List can be activated based on the setting and the user's preferences.

The S850i Dialer is not only designed for call handling, it can also be used for configuring the system settings, and monitoring the S850i conference phone components.

Handset Dialer



Intuitive Dialer Interface



2.1.2 Speaker

The S850i Speaker is a wireless omnidirectional speaker emitting sound in all directions to ensure everyone in the conference room can hear and follow the conversation clearly.

The wireless speaker can be placed anywhere on the table to meet the needs of the conference call. It can operate in or out of the charger tray during an active call, so you never missed a call.

The S850i Speaker has sleek form factor of 4" by 4" which is not constrained by hard wire cabling.

An additional Speaker may be purchased if needed (also requires the purchase of an additional Charger Tray).



2.1.3 Microphones

Omnidirectional Microphones

Two wireless tabletop omnidirectional microphones pick up sound from all directions ensuring everyone participating in the conference call can be heard clearly.

The wireless flexibility of microphones allows the S850i conference phone to be configured to meet the needs of small, medium or large conference rooms.

Microphones are equipped with a mute button, allowing users to mute or unmute microphones separately. They also have an LED indicator which displays the mute status and battery charge level.

Microphones can operate in or out of the charger tray during an active call.



Lapel (Wearable) Microphone

The optional Lapel Microphone (purchased separately) allows for presenters to move freely about the room and still be easily heard without having to talk loudly.

The Lapel Microphone is equipped with a rotatable clip ideal for attaching to a lapel or shirt.



2.1.4 Charger Tray

The S850i Charger Tray provides charging capabilities for the Dialer, Microphones and Speaker, and enables them to be charged in one organized location.

During a conference call, the charger tray can either be placed in a remote location or on the table to provide charge for the battery-powered components.

All S850i components can operate in or out of the charger tray during an active call.



2.1.5 Wireless Base Unit

The S850i Wireless Base Unit transmits and receives audio signals to and from S850i components allowing them to operate wirelessly.

Simply locate the Wireless Base Unit in a convenient location where it can be connected to the IP network using an Ethernet cable. The Base Unit is powered using Power over Ethernet (PoE).

The S850i Wireless Base Unit is equipped with audio input/output connection ports which allow integration with a video conferencing unit such as the Aastra BluStar for Conference Room, PC applications including the Aastra Blustar for PC, or a recording device.



2.2 S850i Technology Overview

The Wireless Base Unit uses DECT connectivity to communicate with the Speaker and Microphones, and a Bluetooth interface to communicate with the Dialer.

The S850i conference phone is available in two DECT frequencies; DECT 6.0 (1920-1930 MHz) mainly used in North America and South America and DECT ETSI ETS 300 175 (1880 - 1900 MHz) generally used in Europe, Asia, Australia, New Zealand, and Africa.

Outstanding HD audio is delivered using codec G.722 and a DECT frequency of up to 11 kHz.



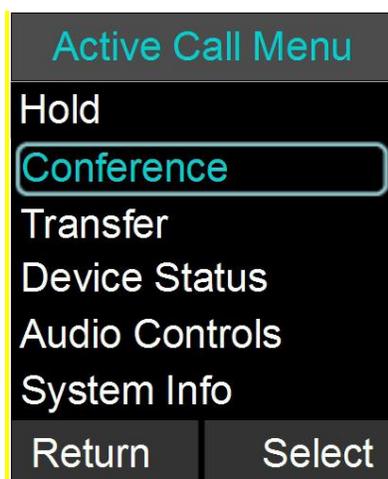
2.3 Major Features of S850i

2.3.1 Call Handling via the Handset Dialer

Make and receive calls using the Handset Dialer. Calls can be made using the dialer keypad, contact directory or call history.

Users can place a call on hold, transfer a call (blind or supervised), or add a third party to the call. Three-way conference calls can be split, put on hold, and resumed.

The S850i Handset Dialer allows users to change the audio settings to their preferences during an active call including adjusting the speaker volume, equalizer settings and audio mixer settings.



Switch between Private and Conference Calls

Due to the S850i Handset Dialer's architecture, a powerful feature is made possible. Calls can be placed in a private mode using the dialer. When participants are ready for the conference meeting, the call can easily be switched to a conference call mode making use of the speaker and microphones.

2.3.2 Call Handling Using Microphones

Call handling can not only be achieved using the Handset Dialer, phone calls can also be answered using the microphones. Anyone at the conference table can answer a call by simply removing a microphone from the charger tray or by pressing the multi-function button on the microphone, regardless of where the Dialer is placed.



2.3.3 Call Handling via Bluetooth

The Aastra S850i is Bluetooth enabled, which allows the conference phone to act as the speaker and microphone for cell phone calls. Calls can be placed using a cell phone, and the call can then easily be switched to a conference call. Conference calls can be reverted back to cell phone mode via an option on the Dialer.

Bluetooth integration also enables users to make calls using PC applications that use the Hands Free Profile (HFP) for Bluetooth 2.0 or higher.



2.3.4 Recent Call List

The Recent Call List stores contact information from calls placed or received, allowing the user to review recent calls, redial a recent call, or store a recent call in the system directory (the Recent Call List can be deactivated for privacy or security purposes).

2.3.5 Contacts

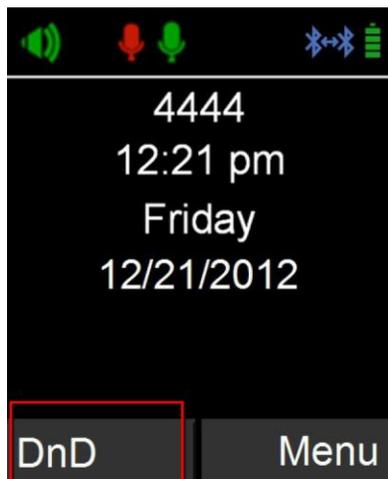
The S850i dialer can store 100 entries in the contact directory.

2.3.6 Speed Dial

Set up to 9 speed dial entries for easy access to your favorite contacts.

2.3.7 Do not Disturb (DnD) Feature

The DnD option is easily accessible on the dialer home screen.



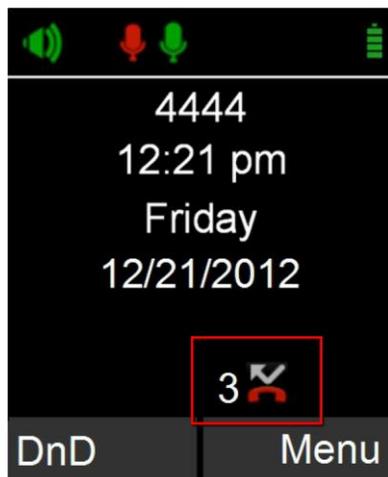
2.3.8 Call Forward

The Call Forward feature can be customized specifically to your needs. Users can choose to set the Call Forward to:

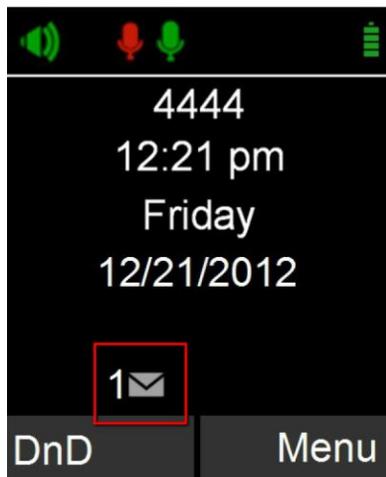
- Always forward incoming calls.
- Forward calls to another number when "Do not Disturb" is selected.
- Forward incoming calls when the call is not answered or after a certain time limit.

2.3.9 Notifications and Alerts

Missed call: Missed calls are displayed as a notification (number of missed calls) on the home screen.



Voice mail: Alerts for new voice mails will pop up on the home screen together with a message count indicator (switch configured).



2.4 Supported Languages

Multi-language support: English, French, German, Spanish, Portuguese, Italian.

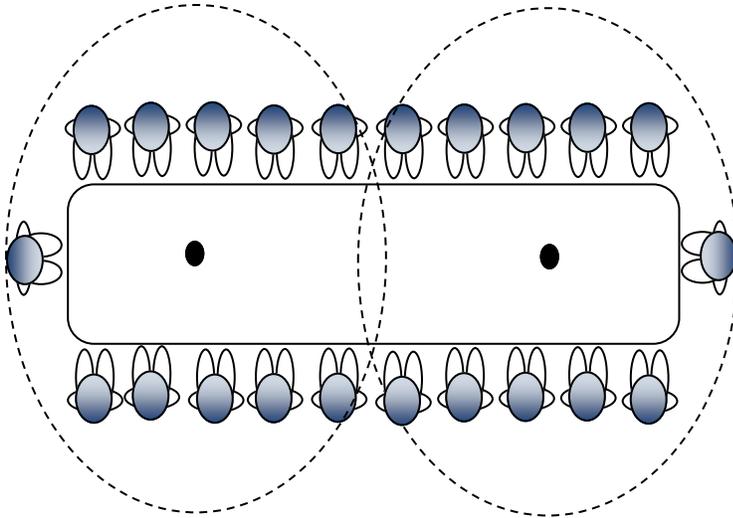
3 Applications

3.1 Conference Room

Wireless speaker and microphones give users the freedom for multiple configurations within the conference room.

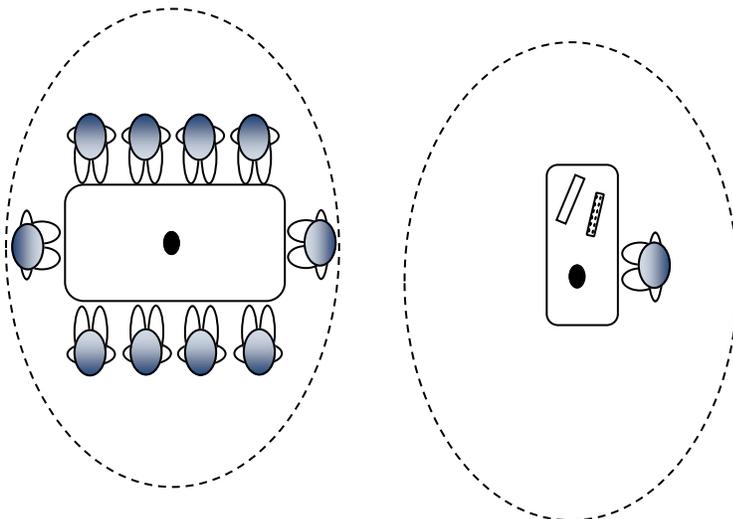
3.1.1 Small, Medium or Large Conference Rooms

The two omnidirectional microphones pick up voice from 360° and cover up to 30 feet in length.



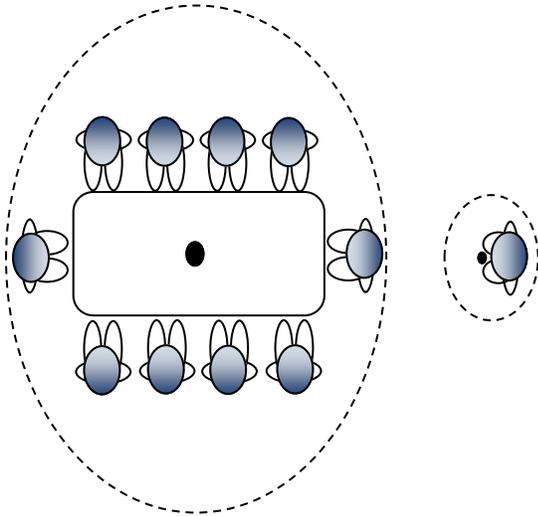
3.1.2 Two Separate Areas within a Setting

The omni microphones can be placed in remote locations, and enable users to sit in different areas within the same room. An additional speaker and charging tray may be purchased if needed.



3.1.3 Interactive Audio Conference

Users can purchase an additional lapel (wearable) microphone which allows presenters or moderators to leave the table and still be heard clearly without having to talk loudly.

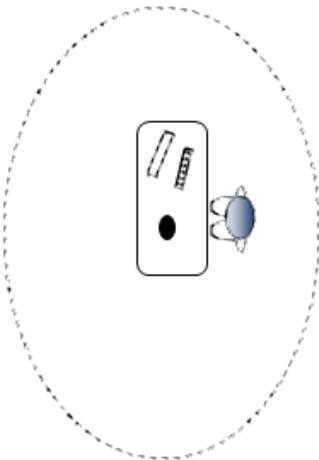


**Lapel (Wearable)
Microphone**



3.2 Executive Office

The S850i can provide excellent capabilities for executive offices allowing the handset dialer to place a private call or conference call.



3.3 Unified Communications

3.3.1 Video Conference Collaboration

The S850i conference phone is equipped with balanced analog audio input/output connections facilitating easy integration with video conferencing systems such as the the Aastra BluStar for Conference Room solution. This allows the S850i microphones and speaker to be used for video calls and provides excellent acoustic echo cancellation and noise control for your video calls.



3.3.2 Integration with PC applications

PC applications, including the Aastra BluStar for PC, can be integrated with the S850i via the audio input/output connections (optional USB connector kit required).



4 Supported Communication Servers

4.1 Aastra Communication Servers

S850i is supported with the following Aastra communication servers:

- MX-ONE
- Aastra 5000
- Aastra 400
- Clearspan

4.2 Third Party Call Managers

The S850i is a SIP standards based conference phone that complies with many SIP enabled call managers.

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