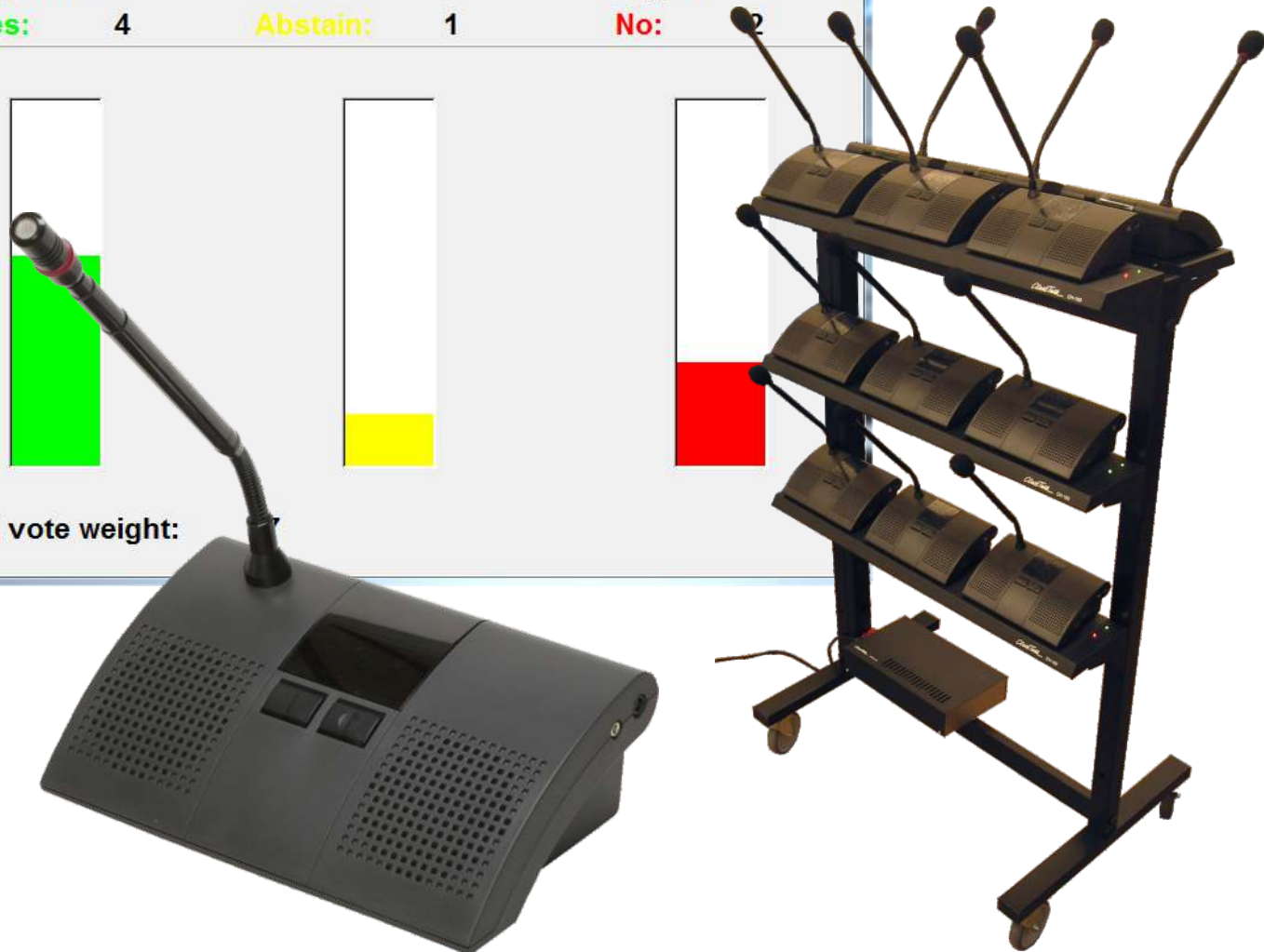
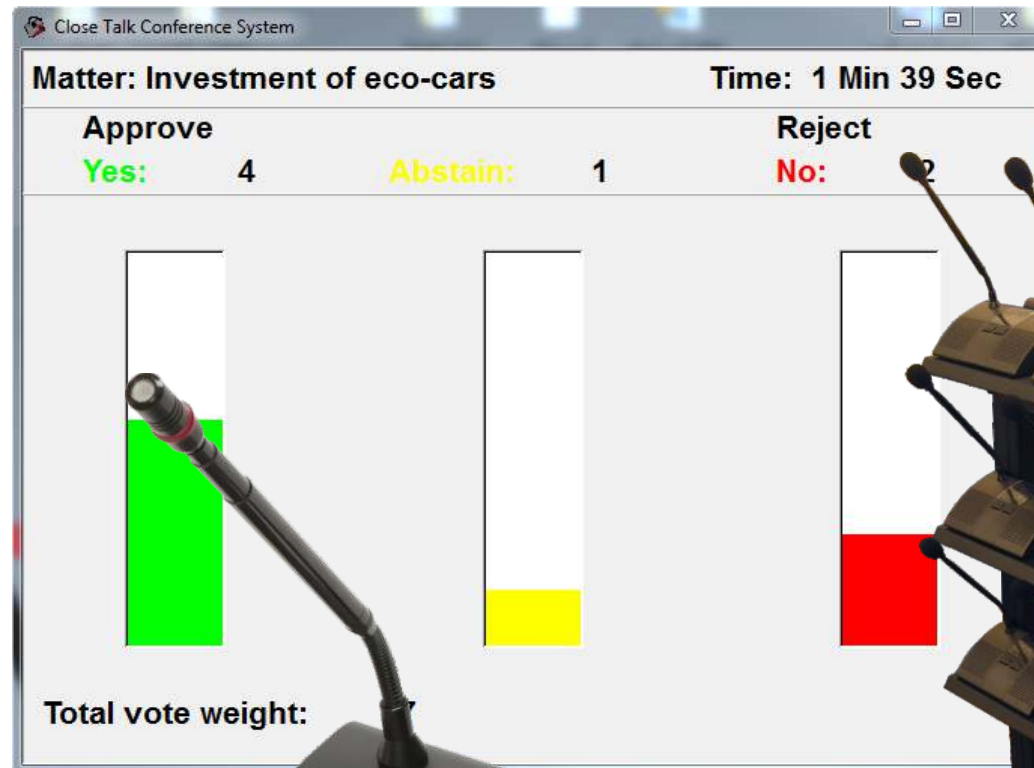


# CloseTalk

## CONFERENCE SYSTEM



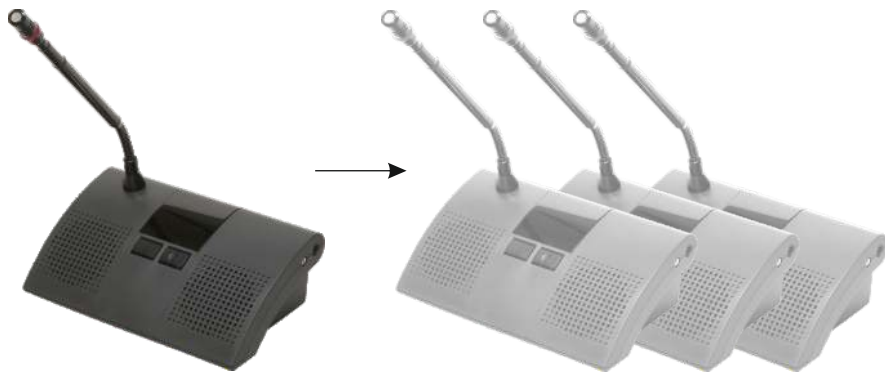
## ***History:***

- **Developed and manufactured in Sweden**
- **Brand established in 1989**
- **Been on the Swedish market for over 20 years**
- **Been on the world market for over 10 years**
- **Wide range of customer types, from small private board rooms via local municipalities up to governments all over the world including the United Nations, US senate and many more**
- **First system shipped early 1990, second generation released early 2000, third and current generation released 2005**
- **Pioneers in full duplex wireless using infrared**

## ***Key features:***

- **Excellent value for money**
- **Easy to install**
- **Easy to use**
- **Low cost of ownership**
- **Very long service life**
- **Wireless technology based on infrared light avoids increasing problems with ether congestion. Infrared means no interference, no eavesdropping, no radio band licencing; guaranteed operation today and in ten years, ... all-in-all a very good long term investment**
- **From basic audio-only conference system up to full e-democracy installations including audio, video, voting, attendance and more**
- **Infrared is the only "NSA-proof", i.e. totally secure wireless technology on the market**
- **Flexible, no technology "dead-ends"; buy now, expand later**

## *Basic system products:*



*Delegate Unit DU-111-02*



*Transceiver TU-100-02, -03  
or -04*



*Central Unit CU-110-11*



*Cord Charger DC-110-45*

or

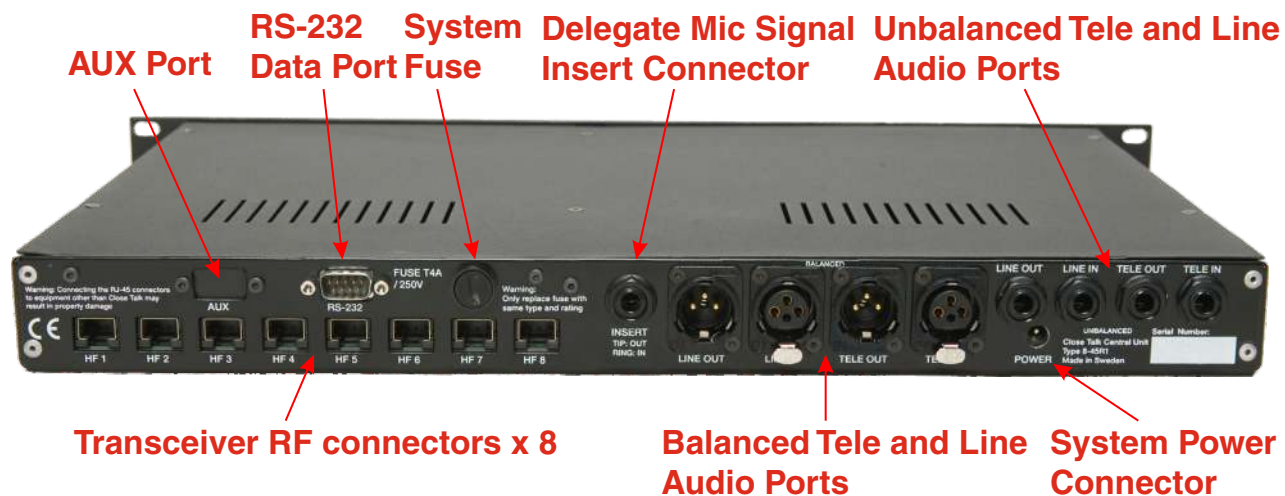
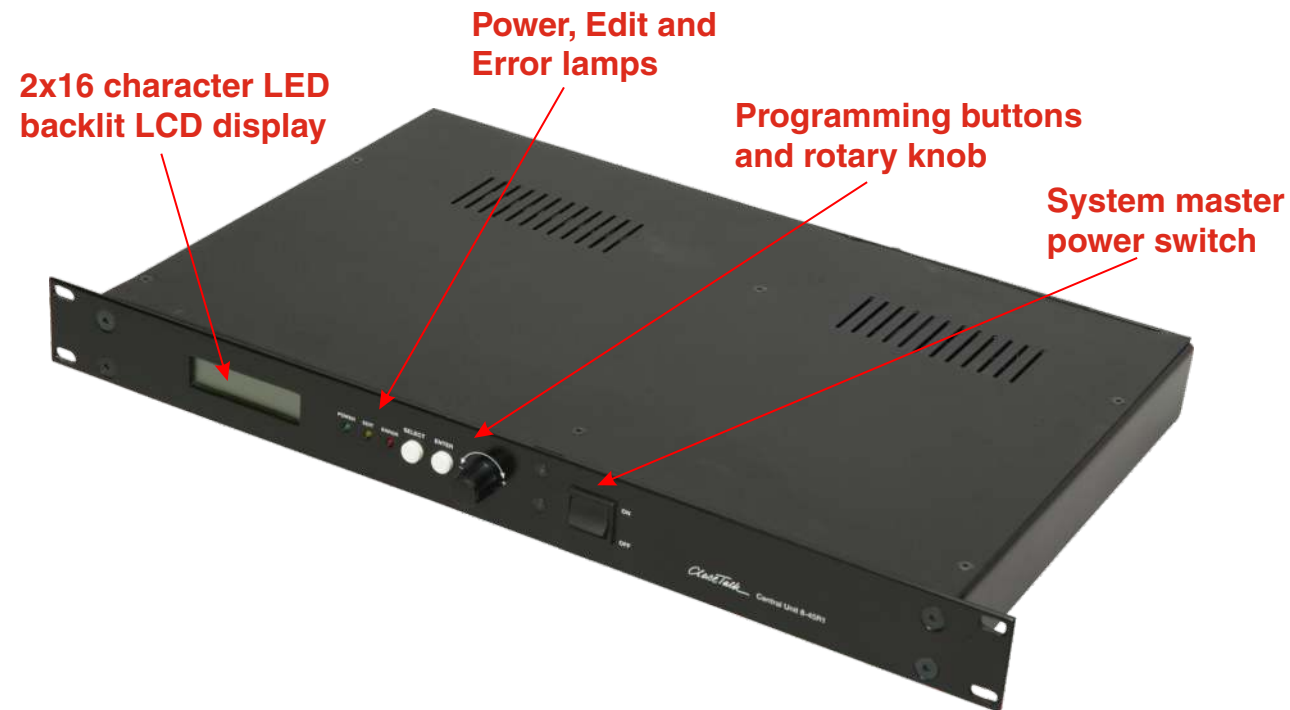


*Charger Trolley CT-10*

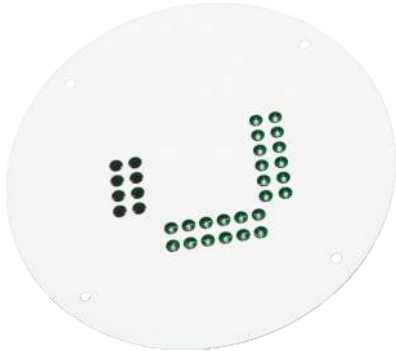
## ***Wireless conference and voting unit DU-111-02:***



# System Controller CU-110-11:



## ***Transceiver Units TU-100-02, -03 and -04:***



**180mm Flush Mounted model, screw fastening  
model -02**



**150mm Flush Mounted, spring fastening  
model -03**



**100mm Surface Mounted model, screw fastening  
model -04**



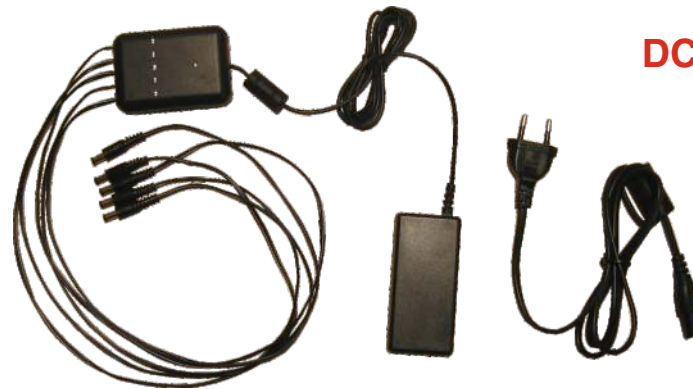
**Transceiver system interconnected  
with industry standard CAT6 cables  
means quick installation!**

## ***Battery charging, transportation and storing:***



**The CT-10 battery charging, transportation and storage product provides an all-in-one solution, set up and take down a system in minutes!**

**Automatic charging, just plugin a leave.**



**DC-110-45 low cost 5-in-1 cord battery charger**

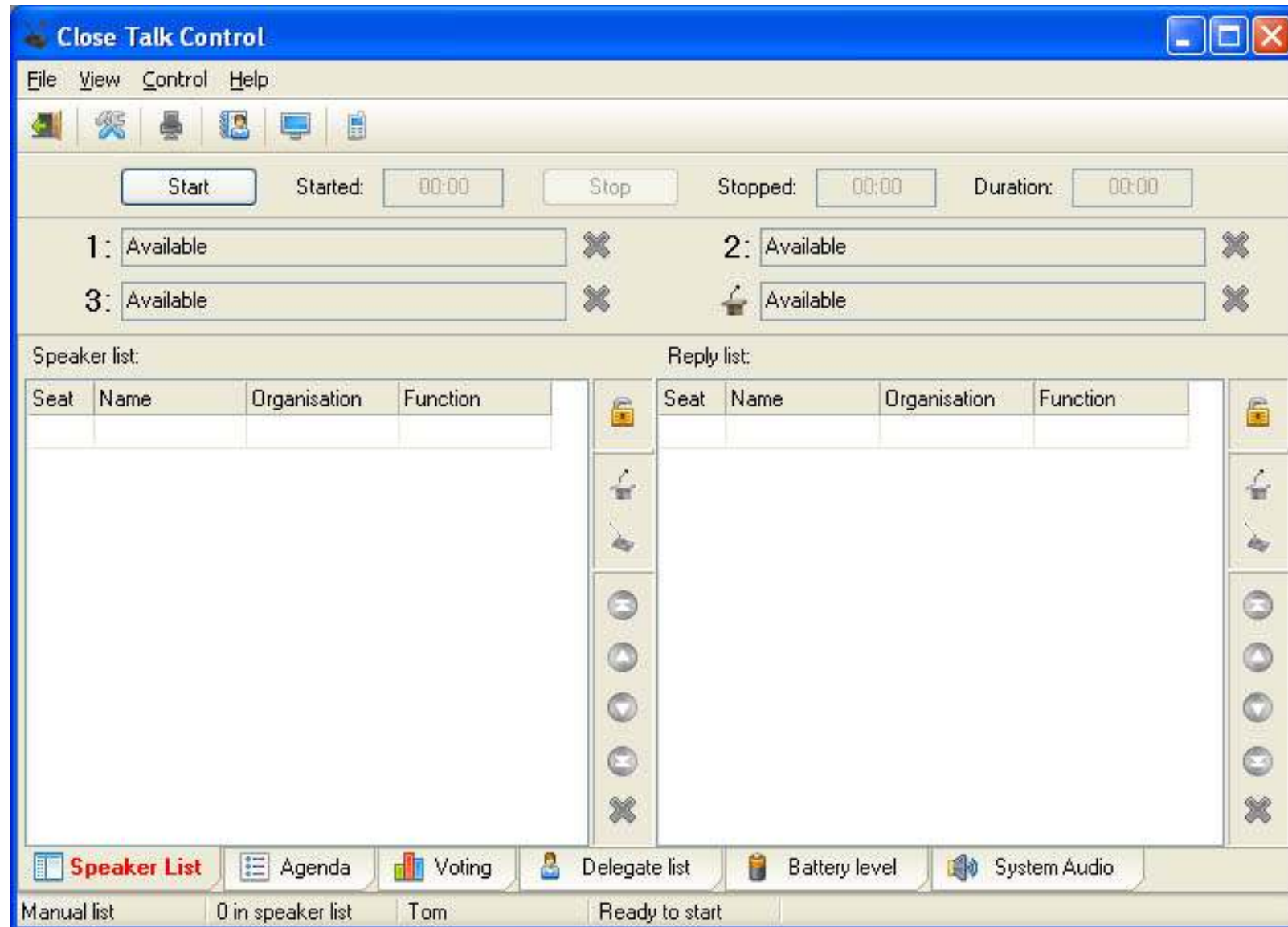


# ***Powerful conference control and voting PC-software***

## ***Close Talk Control:***

- Turns Close Talk Conference System into a full e-democracy system
- Adds person databases, full speaker list control, reply functionality, voting, attendance and fee management, camera follow, group and individual speaking time limitation and much more
- Runs on Windows XP, Vista, 7 and 8, 32 and 64 bit
- Modularized, buy only the functionality you need, when you need it
- No technology dead-ends, expand the system as you want, when you want
- Excellent for both small system control and very formal conferences
- The worlds most feature-rich conference control software

*Easy to use with full control and oversight:*



## *Full control of the conference with speaking lists:*

The screenshot displays the 'Close Talk Control' application window. It features a menu bar (File, View, Control, Help) and a toolbar with icons for various functions. The main interface includes a status section with 'Start' and 'Stop' buttons, and time fields for 'Started' (06:36), 'Stopped' (00:00), and 'Duration' (00:00). Below this are two rows of input fields for participants, each with a close button (X). The central part of the window is divided into two panels: 'Speaker list' and 'Reply list'. Both panels contain a table with columns for 'Seat', 'Name', 'Organisation', and 'Function'. The 'Speaker list' table is populated with five entries, while the 'Reply list' table is empty. To the right of each table is a vertical toolbar with icons for muting, unmuting, and other controls. At the bottom, a tabbed interface shows 'Speaker List' as the active tab, with other tabs for 'Agenda', 'Voting', 'Delegate list', 'Battery level', and 'System Audio'. A status bar at the very bottom provides additional context, including 'Manual list', '4 in speaker list', 'Tom', 'Conference started', and '1. Conference Starts'.

**Close Talk Control**

File View Control Help

Start Started: 06:36 Stop Stopped: 00:00 Duration: 00:00

1: Available X 2: Available X

3: Available X Available X

**Speaker list:**

Seat	Name	Organisation	Function
2	Unit Two	Company A	Shareholder
3	Unit Three	Company B	Shareholder
4	Unit Four	Company B	Shareholder
5	Unit Five	Company A	Secretary

**Reply list:**

Seat	Name	Organisation	Function
------	------	--------------	----------

**Speaker List** Agenda Voting Delegate list Battery level System Audio

Manual list 4 in speaker list Tom Conference started 1. Conference Starts

## *Agenda tool for conference order:*

The screenshot shows the 'Close Talk Control' application window. It features a menu bar (File, View, Control, Help), a toolbar with icons for navigation and control, and a status bar at the bottom. The main interface includes a control panel with 'Start' and 'Stop' buttons, and time fields for 'Started' (06:36), 'Stopped' (00:00), and 'Duration' (00:00). Below this is a list of participants, each with a number, a status (e.g., 'Available'), and a close button. The 'Active matter' section shows a list of agenda items. The bottom status bar displays various system and application metrics.

**Close Talk Control**

File View Control Help

Start Started: 06:36 Stop Stopped: 00:00 Duration: 00:00

1: Available X 2: Available X  
3: Available X 4: Available X

Active matter: 1. Conference Starts

Order	Matter	Yes-description	No-description
1	Conference Starts		
2	Discuss something		
3	Vote about it		
4	Discuss again		
5	End conference		

Speaker List Agenda Voting Delegate list Battery level System Audio

Manual list 4 in speaker list Tom Conference started 1. Conference Starts

## *Full person database for participants:*

The screenshot shows the 'Close Talk Control' application window. It features a menu bar (File, View, Control, Help), a toolbar with icons for file operations and communication, and a control panel with 'Start' and 'Stop' buttons, along with 'Started' (06:36), 'Stopped' (00:00), and 'Duration' (00:04) fields. Below this is a section for participant status, showing five entries, each with a number, a status field (all set to 'Available'), and a close button. A toolbar with various icons and a 'Sort according to:' dropdown is also present. A 'Use filter' checkbox and three filter dropdowns are located above a table. The table contains participant information, with 'Five' selected. The bottom of the window has a tabbed interface with 'Speaker List', 'Agenda', 'Voting', 'Delegate list' (active), 'Battery level', and 'System Audio'. A status bar at the very bottom displays 'Manual list', '0 in speaker list', 'Tom', and 'Conference started'.

Last name	First name	Organisation	Function	Order number	Region	Social security num	Vote weight	Fee type
One	Unit	Company A	Chairman				1	
Two	Unit	Company A	Shareholder				1	
Three	Unit	Company B	Shareholder				1	
Four	Unit	Company B	Shareholder				1	
Five	Unit	Company A	Secretary				1	

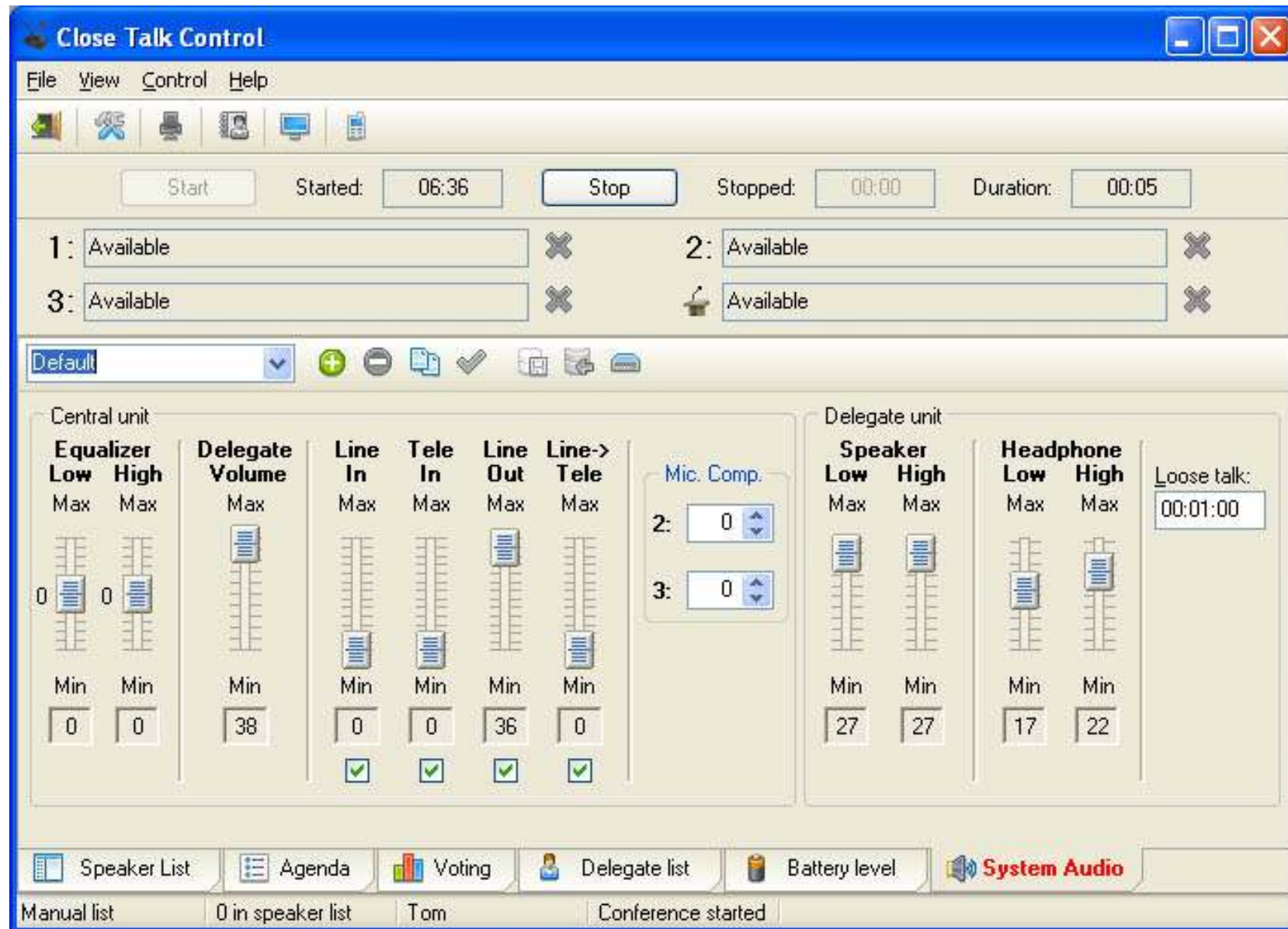


## *Real time monitoring of system status:*

The screenshot displays the 'Close Talk Control' application window. The interface includes a menu bar (File, View, Control, Help), a toolbar with icons for various functions, and a control panel with 'Start' and 'Stop' buttons, along with 'Started' (06:36), 'Stopped' (00:00), and 'Duration' (00:04) fields. Below this, there are four status indicators, each labeled 'Available' with a close button (X). A 'Unit' field shows '0' and a 'Replace with' field also shows '0', with a 'Replace' button. The main area features a table with columns: Seat, Last name, First name, Organisation, Speak time, Delegate ID, Battery level, and Time since. The table contains five rows of data. At the bottom, there is a navigation bar with tabs for 'Speaker List', 'Agenda', 'Voting', 'Delegate list', 'Battery level', and 'System Audio'. The 'Battery level' tab is currently selected, showing a red battery icon and the text 'Battery level'. Below the navigation bar, a status bar displays 'Manual list', '0 in speaker list', 'Tom', and 'Conference started'.

Seat	Last name	First name	Organisation	Speak time	Delegate ID	Battery level	Time since
1	One	Unit	Company A	00:00:00	5670	....	....
2	Two	Unit	Company A	00:00:00	5598	95%	00:04
3	Three	Unit	Company B	00:00:00	5561	95%	00:04
4	Four	Unit	Company B	00:00:00	5701	100%	00:04
5	Five	Unit	Company A	00:00:00	5581	100%	00:04

## *Full control of system sound with storable presets:*



***Turn the system into a voting system with one click:***

**Close Talk Control**

File View Control Help

Start Started: 06:36 Stop Stopped: 00:00 Duration: 00:03

Start Exit Print Export Reset Vote Done Cancel

Mode  
Type  
☒ Open ☐ Closed

View  
Table

View after  
Table

Time:  
00:02:00 Apply

Status  
Voters: 5 Votes: 5 Yes: 1 No: 1 Abstain: 3 Absent: 0  
Time to vote: 1 Min 41 Sec Final reading: -  
Status: Voting started

List view  
☒ All ☐ Present  
☐ Faulty

Handle faulty  
Action 0

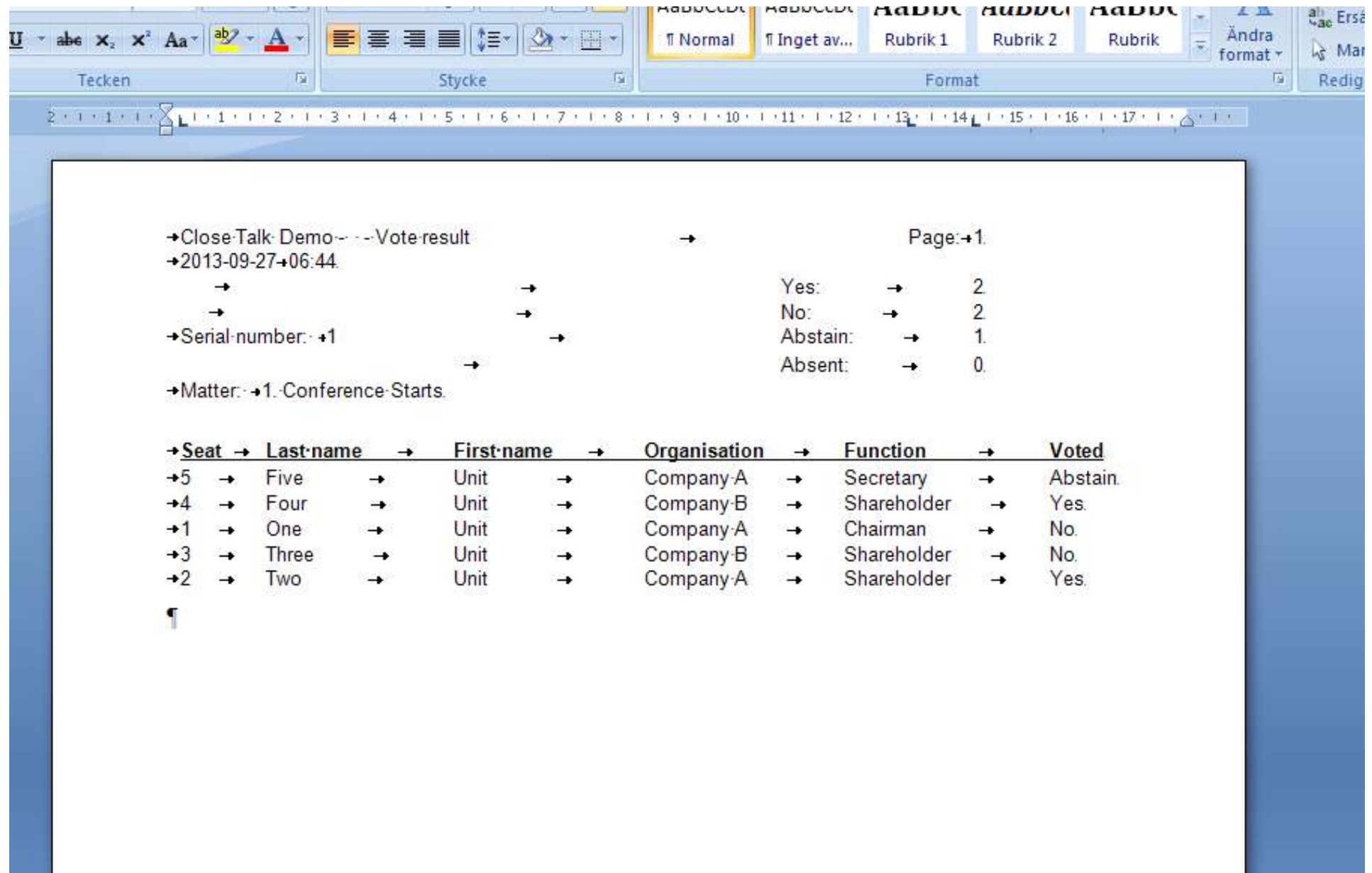
Seat	Last name	First name	Organisation	Status	Result	Manual
1	One	Unit	Company A		No	
2	Two	Unit	Company A		Yes	
3	Three	Unit	Company B		Abstain	
4	Four	Unit	Company B		Has not voted	
5	Five	Unit	Company A		Has not voted	

Speaker List Agenda **Voting** Delegate list Battery level System Audio

Manual list 0 in speaker list Tom Conference started



## *Present and save formatted voting results:*



→Close-Talk-Demo---Vote-result → Page:→1  
→2013-09-27→06:44  
→  
→  
→Serial-number: →1  
→  
→Matter: →1. Conference-Starts.

→Seat →	Last-name →	First-name →	Organisation →	Function →	Voted
→5 →	Five →	Unit →	Company-A →	Secretary →	Abstain.
→4 →	Four →	Unit →	Company-B →	Shareholder →	Yes.
→1 →	One →	Unit →	Company-A →	Chairman →	No.
→3 →	Three →	Unit →	Company-B →	Shareholder →	No.
→2 →	Two →	Unit →	Company-A →	Shareholder →	Yes.

## *Powerful tools for maintaining attendance:*

**Edit seating list**

File Edit Control Search Show Lock

Seat	Delegate	Organisation	Function	Present	Votes	Position
1	Unit One	Company A	Chairman	✓	✓	1
2	Unit Two	Company A	Shareholder	✓	✓	1
▶ 3	Unit Three	Company B	Shareholder	✓	✓	1
4	Unit Four	Company B	Shareholder	✓	✓	1
5	Unit Five	Company A	Secretary	✓	✓	1

**Edit Attendance**

☐ Place  in seat  and log as arrived. Log  as departed.

☐ Log  as departed ☐ and clear seat.

☒ Delegate  did not arrive, remove from log ☐ and clear seat.

☐ Delegate  was expected but  arrived instead.

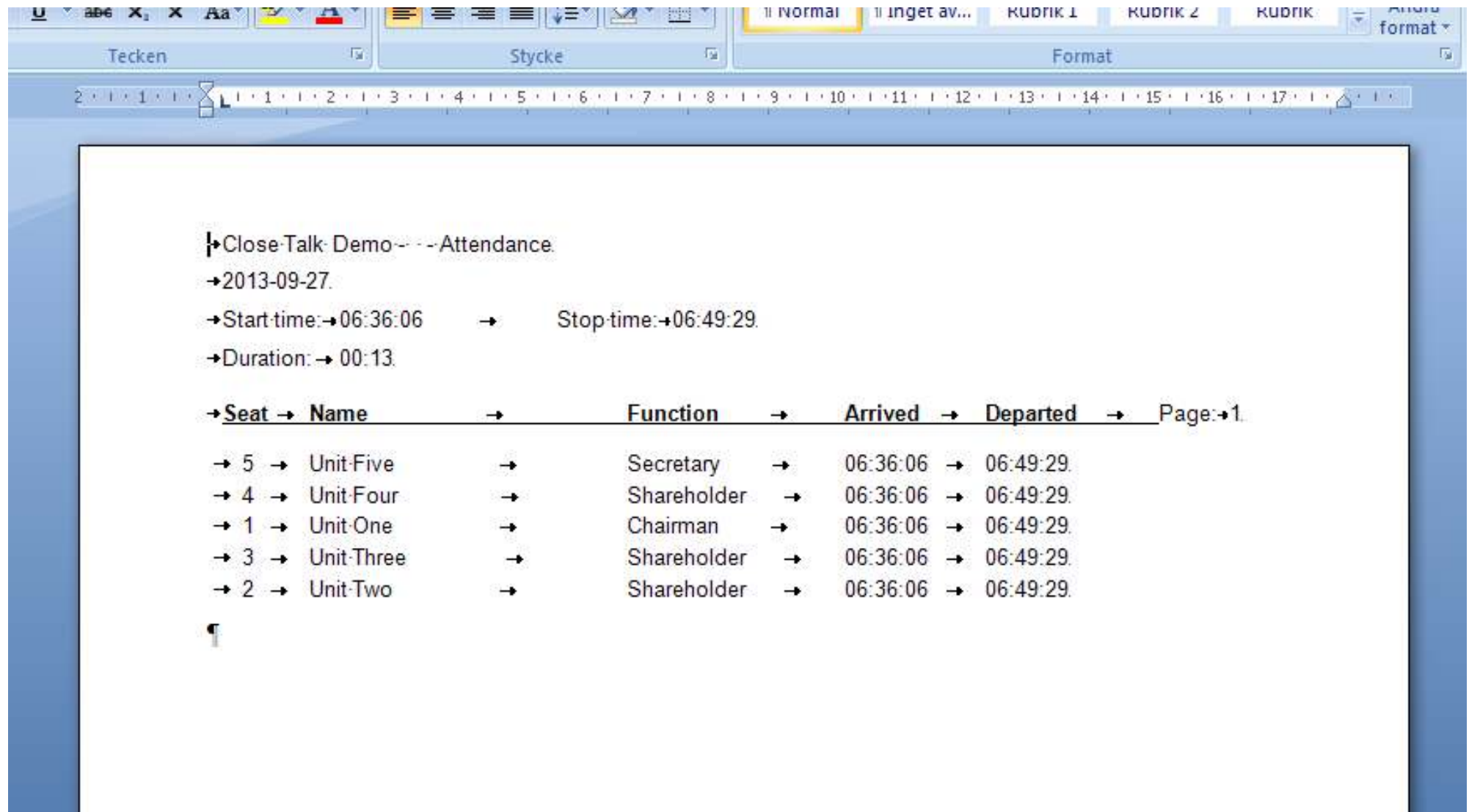
☐ Move  to seat number  and log  as departed.

**Delegate database:**

Sorting:  Organisation:  Function:  Region:

Name	Organisation	Function	Region	Order number
Unit One	Company A	Chairman		
Unit Two	Company A	Shareholder		
▶ Unit Three	Company B	Shareholder		
Unit Four	Company B	Shareholder		
Unit Five	Company A	Secretary		

## *Produce detailed attendance reports:*



The screenshot shows a software interface with a menu bar (Tecken, Stycke, Format) and a toolbar. The main content area displays the following information:

Close-Talk Demo---Attendance.  
→2013-09-27.  
→Start-time:→06:36:06 → Stop-time:→06:49:29.  
→Duration: → 00:13.

→ Seat →	Name	→	Function	→	Arrived	→	Departed	→	Page:→1
→ 5 →	Unit-Five	→	Secretary	→	06:36:06	→	06:49:29		
→ 4 →	Unit-Four	→	Shareholder	→	06:36:06	→	06:49:29		
→ 1 →	Unit-One	→	Chairman	→	06:36:06	→	06:49:29		
→ 3 →	Unit-Three	→	Shareholder	→	06:36:06	→	06:49:29		
→ 2 →	Unit-Two	→	Shareholder	→	06:36:06	→	06:49:29		

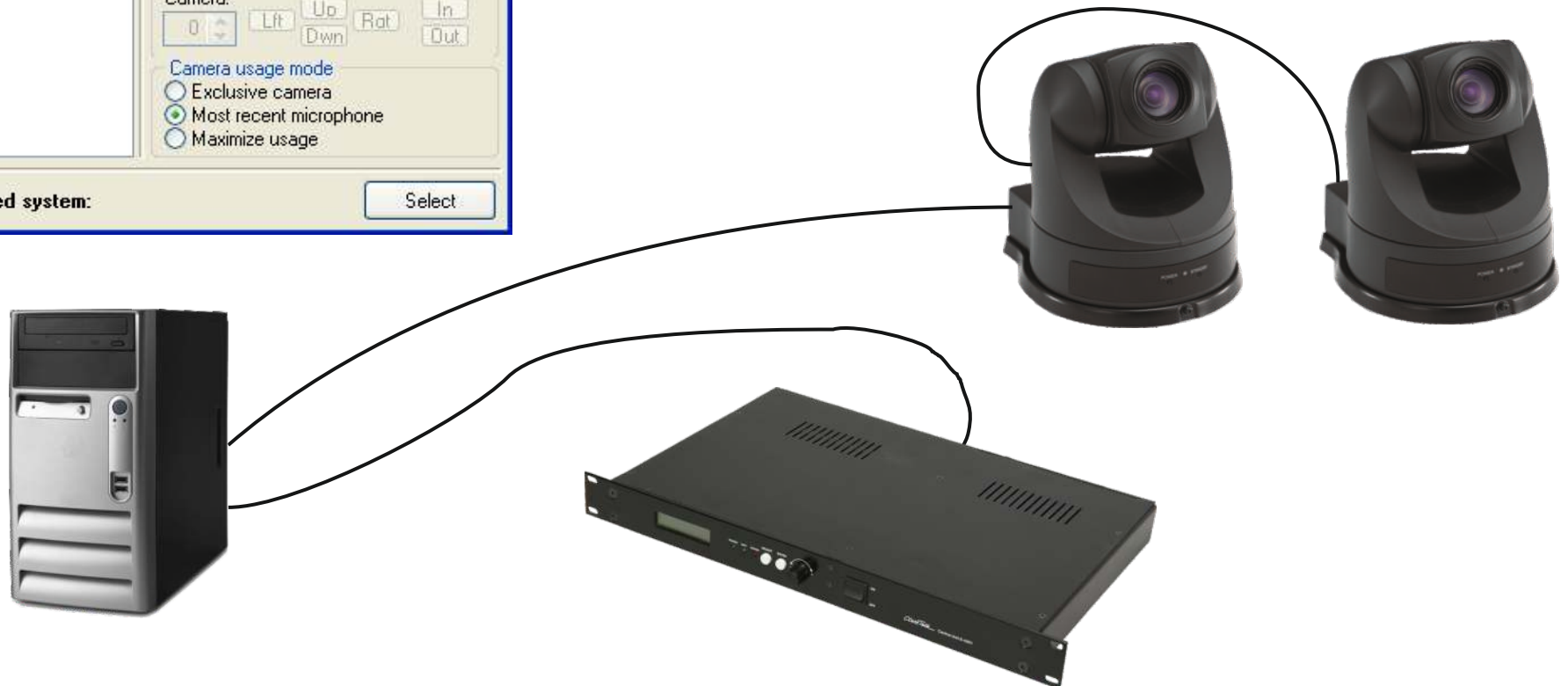
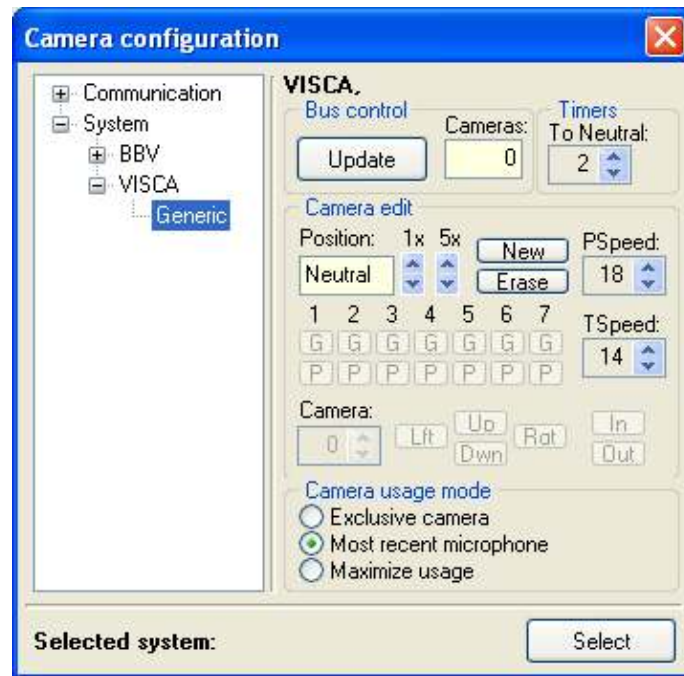
## Feature-rich:

The screenshot shows a 'Settings' dialog box with a blue title bar and a close button (X) in the top right corner. The 'Conference' tab is selected, showing various configuration options for a conference system. The settings are organized into three columns. The first column contains 'Chairman unit' (5 670), 'Priority unit' (0), 'Use as platform mic' (unchecked), 'Pre conf. unit' (5 581), 'Pre conf. active' (checked), 'Chairman channel' (Steal channel), and 'Number of speakers' (Three). The second column contains 'Speaker list size' (16), 'Speaker list control' (Manual), 'Privi. automatic' (checked), 'Right button' (Right button), 'Delegates' (Reply function), 'Chairman' (As Delegate), 'Show reply list' (checked), and 'Reply list size' (5). The third column contains 'Leave speaker list' (Stay in list), 'Leave list' (checked), 'Use Group Time' (checked), 'Group time' (Group time), 'Counting mode' (Most recent speaker in), 'Prevent speaker' (unchecked), 'Automatic interrupt' (unchecked), 'Warn at time left' (00:00:30), 'Interrupt speaker' (unchecked), and 'Limit reply time' (checked). At the bottom are 'OK' and 'Cancel' buttons.

Chairman unit:	Speaker list size:	Leave speaker list
5 670	16	<input type="radio"/> Stay in list
Priority unit:	Speaker list control:	<input checked="" type="radio"/> Leave list
0	Manual	<input checked="" type="checkbox"/> Use Group Time
<input type="checkbox"/> Use as platform mic	<input checked="" type="checkbox"/> Privi. automatic	Group time
Pre conf. unit:	Right button	Counting mode:
5 581	Delegates:	Most recent speaker in
<input checked="" type="checkbox"/> Pre conf. active	Reply function	<input type="checkbox"/> Prevent speaker
Chairman channel:	Chairman:	<input type="checkbox"/> Automatic interrupt
Steal channel	As Delegate	Warn at time left:
Number of speakers:	<input checked="" type="checkbox"/> Show reply list	00:00:30
Three	Reply list size:	<input type="checkbox"/> Interrupt speaker
	5	<input checked="" type="checkbox"/> Limit reply time

OK Cancel

## *Powerful camera control functionality:*





## *Free of charge installation, analysis and troubleshooting tool with Close Talk Install:*

**Close Talk Install**

File Edit Help

Control

Test units: ☐ All ☒ Selected ☐ Only CU

Test time: 01:00:00

Timeout: 4

Samples: 4

Offline: 4

Unit: ☒ Raw ☐ uV

Control:

Report:

CU firmware: ...

DU firmware: ...

Measurement Mute Levels

CU levels

Audio 1 noise:  Audio 2 noise:  Audio 3 noise:  Data noise:

Audio 1 mute:  Audio 2 mute:  Audio 3 mute:  Data mute:


Seat	ID	Status	CU A1 Mean	CU A2 Mean	CU A3 Mean	CU D Mean	DU A Mean	DU D Mean	Battery Mean	Contact	No contact
1	5561	On-line	....	....	....	....	....	....	....	0	0
2	5581	On-line	....	....	....	....	....	....	....	0	0
3	5598	On-line	....	....	....	....	....	....	....	0	0
4	5701	On-line	....	....	....	....	....	....	....	0	0
5	5670	On-line	....	....	....	....	....	....	....	0	0

5 test units Waiting for start Time: 00:00:00

## Free of charge firmware updates and loading tools available on-line:

The image shows a screenshot of the CloseTalk website and a screenshot of the Close Talk Loader application.

**CloseTalk Website:**

- CloseTalk** CONFERENCE SYSTEM *Wireless conference technology using infrared light*
- Home Forum  Introduction Products Download Support News Company Contact
- Download**
  - Software**
    - Close Talk Control
    - Close Talk Install
    - Close Talk Loader
  - Firmware**
    - Central Unit
    - Delegate Unit
  - Documentation**
    - Marketing
    - Manuals
    - Application notes
- Central Unit Firmware**
  - IMPORTANT!**

Only download these firmware's if your current Central Unit firmware version is 2.00 or higher. If your current version is lower than 2.00, the end-of-generation version for that hardware revision is **1.19**.
  - Central Unit firmware is loaded using product found on the download pages.
  - NOTE:** Please see updated firmware
  - Firmware [version history](#).
  - If your current firmware is **higher** on
    - Central Unit Firmware Version 2.13 -
    - Central Unit Firmware Version 2.13 -
    - Central Unit Firmware Version 2.12 -
    - Central Unit Firmware Version 2.12 -

**Close Talk Loader Application:**

- Close Talk Loader**
- File Load Configure Help
- Firmware loader** - Delegate unit
- Status: Waiting for start
- Selected source file: F:\PROM\Konfsys\DELEGAT\_208.BIN
- Source version: 2.08 ☐ Reset parameters
- Target unit:
  - ☐ Delegate
  - ☒ Central
- Start

*Reference customers include governments...*





*... municipalities...*



***... and private organisations all over the world including the United Nations and the World Bank:***



***Thank you for listening!***

***Please visit us here after the presentation for live demonstrations, brochures and hands-on testing.***

***CloseTalk*** CONFERENCE SYSTEM