

# Basic Use guidelines

## TANDBERG 880 *MXP* System



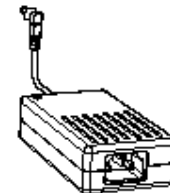
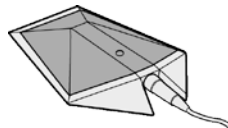
**TANDBERG**

# Installing TANDBERG 880 *MXP*

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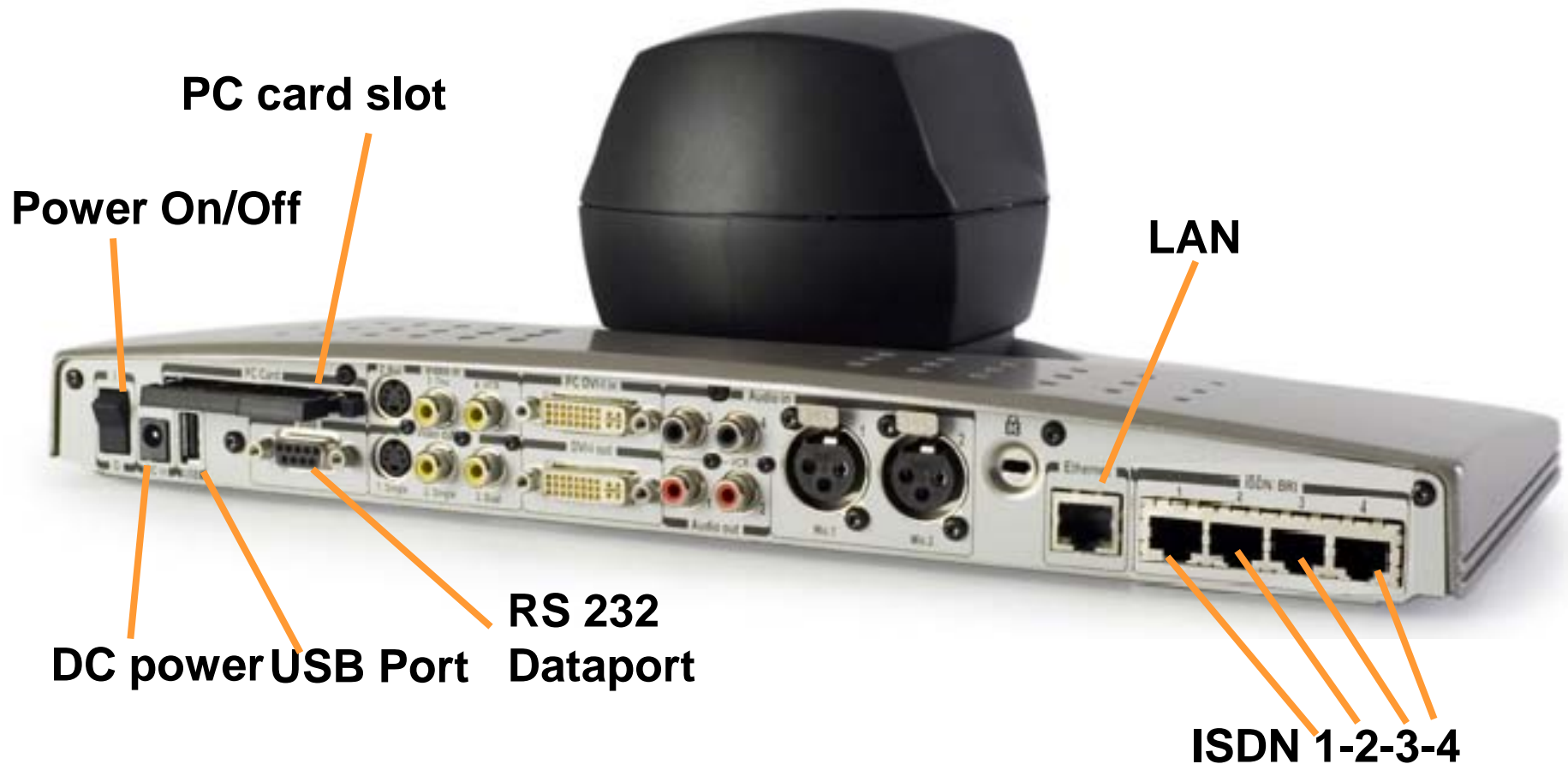
- Comes in 1 box

- Videoconferencing System with built-in Camera
- Power supply
- Table Microphone
- Remote Control with Batteries
- User manual on CD
- Cables

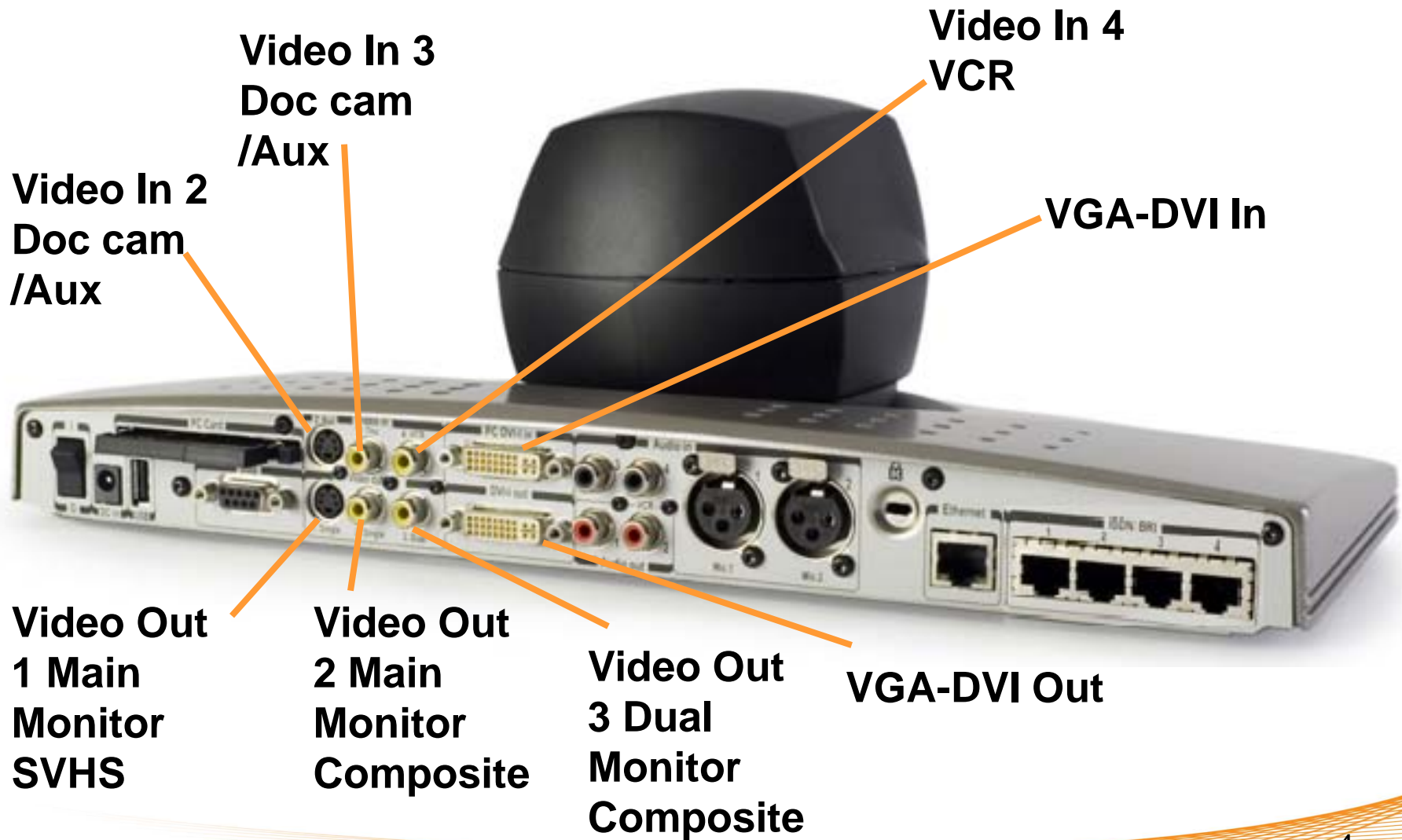


# TANDBERG 880 *MXP* Network types

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# TANDBERG 880 *MXP* Video Input & Output







# Welcome Screen / Main-Menu



When not in a call this “image” is local video or your own welcome logo

# Important Buttons!



## ■ OK / Menu

- Access the menu
- Choose/ affirm options

## ■ Cancel

- Back out of menus
- Cancel actions

# Placing Video Calls

- The bottom portion of the remote is (first) a **dialing pad**

If **H.320 ISDN**: Dial Area Code + number, then Press **'Connect'**

If **ISDN International**: Dial 001 + Country Code + Area Code + number, then Press **'Connect'**

\* **'Cancel'** is use as **backspace**

If **IP / H.323...**

Dial **IP address** or **E.164 alias extension** and then Press **'Connect'**





# Video Calls : Settings

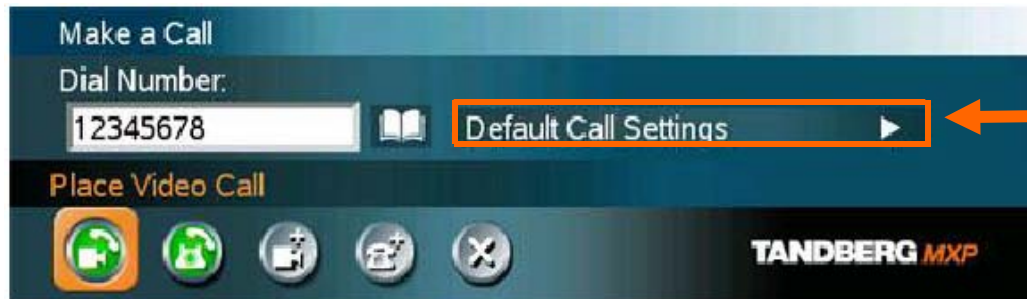
**When you place video call** you can simply let the powerful **TANDBERG ICM** (Intelligent Call Management) set **call-parameters automatically**, Including:

- the **call type** (Video, Audio/telephone),
- the **default call speed (Bandwidth)**,
- the **network** to be used (**ISDN** or **IP**) and
- (when 'dialing') whether or not the call

must be **Restricted** from **64-to-56 Kbps**, or you can adjust these by accessing the advanced **Call Settings**



# Call Settings : *MXP*



Press “**Connect**” then arrow  
over to **Default Call Settings**  
and select “OK”



# Call Settings : *MXP*







Make your adjustments using the **Arrow** and **OK** keys, then select “**OK**” and continue your dialing..



# Placing Video Calls

## Using the Directory:

- Press: the **“Directory”** Book 
  - Highlight Name using **directional buttons** 
  - Press **“Connect”** 
  - Press **“Disconnect”** to end a call 
    - You will first be “Prompted” to either “Disconnect” or “Cannel”
    - Simply press Disconnect 2X to end call
- \* To skip forward in the directory:**
- Hold “Down” arrow to scroll through pages
  - Or, press first digit of the desired contact using the alpha – numeric keypad



# Call Status Information

- From time to time you may want to view “**Call Statistics**” or “**Channel Status**” of your call. In this menu, you can view the speed of your call, the network you are calling on, the amount bandwidth committed to video, and other details simply by **Pressing:**

- **‘Main Menu’**, then the **‘Up’ Arrow**



	Transmit	Receive
Calls 1/1 H323		
System Name: 10.47.8.30		
Call rate (kbps)	768 kbps	768 kbps
Video protocol	H263+	H263+
Audio protocol	AAC-LD	AAC-LD
Data protocol	FEC	FEC
Video format	ICP	ICP
Video rate (kbps)	141.0	74.0
Audio rate (kbps)	128.0	128.0
Data rate (kbps)	0.0	0.0
IP/RTT Packet loss (%)	0.00.0	0.00.0
Encryption status	OFF	OFF
Encryption check code		

- When done, Press **‘Cancel’** to exit








# Call Status Information

Up/Down to scroll.

Calls 1/1: H323	Transmit	Receive
System Name: 10.47.8.30		
Call rate (kbps)	768 kbps	768 kbps
Video protocol	H263+	H263+
Audio protocol	AAC-LD	AAC-LD
Data protocol	FECC	FECC
Video format	iCIF	iCIF
Video rate (kbps)	141.0	74.0
Audio rate (kbps)	128.0	128.0
Data rate (kbps)	0.0	0.0
IPLR/Packet loss (%)	Off/0.0	Off/0.0
Encryption status	Off	Off
Encryption check code		

Call Status

**TANDBERG**  
990 MXP

(ISDN Channel Status)

# Moving the Camera



**When you have the main camera selection us your video source on-screen :**

- The **directional arrows** will allow you to move the camera
- The **Zoom** button allows you to zoom in and out on people or objects



# Presets

## Storing a presets:

- Choose(set) the camera position
- Pick a number to represent that preset
- Press and **hold** that number

## Accessing a preset:

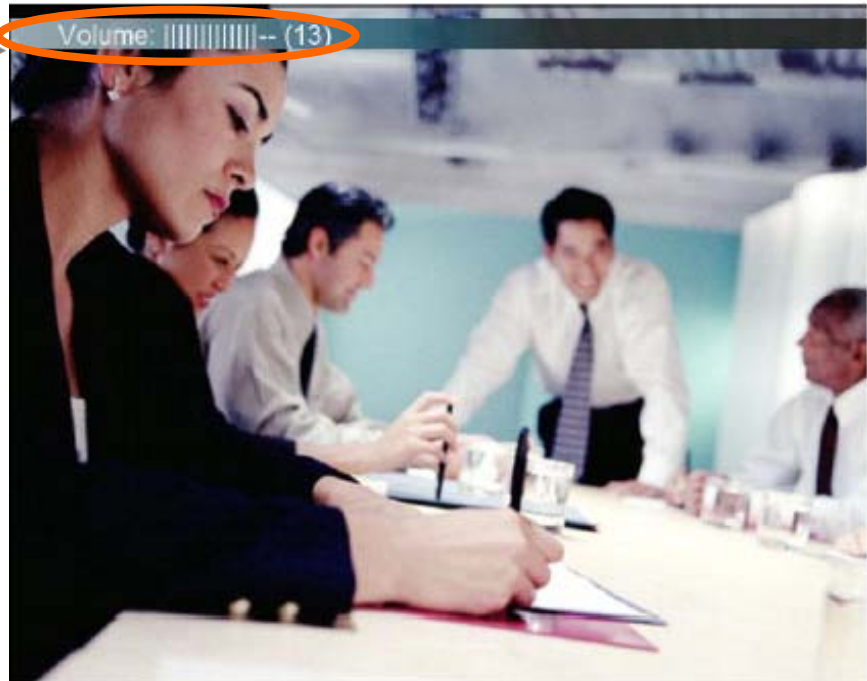
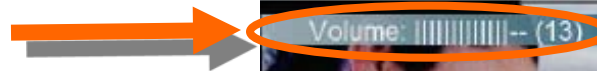
- **During a call**
  - Press the corresponding number to access a know preset
- **Before a call**
  - In the **Menu**, access the '**Control Panel**' and choose '**Camera Preset**'
  - You can view or add new presets to corresponding numbers





# Audio Functions

- **Volume Adjustment:**

**Press the “VOLUME + and -” keys to adjust volume level (An on-screen indicator will show the current level).**



# Audio Functions

- **Mute:** To turn your microphone on/off during a call, press the “**Mic Off**” key. An on screen indicator  will appear on both sides when the microphone is off.
- During a point-to-point call, far side will get a message “**Microphone OFF at other side**” whenever you “**Mute**”
- The ‘**Mic Off**’: symbol  flashes when voice activity is detected in your room ....

*this, then, also provide another another good way to test your microphone connectivity*





# Far End Camera Operation

“ **Far End Camera Control**” gives you the ability to access the remote camera and video source.

- In the **Main Menu**, Choose the **‘Move Camera’** icon
- Select the **‘Far End’** option
  - Use corresponding keys to access far-end presets
  - Press ‘Presentation’ to access far-end video source

Press **‘OK’ when done** to deactivate far-end control



# ‘Self-view’, ‘Move PIP’



## Self-view

- Toggles between seeing the remote image during a call, to viewing your local image
- Remote video will appear in a picture-in-picture on screen

## Move Picture-In-Picture (Layout)

- toggle a self view picture to all four corners of the primary monitor and then turns it off

*\*Wide screen format will allow you to choose between side-by-side, Picture-out-of-Picture and full screen modes*

# “Layout” Possibilities

- Using the new Advance Widescreen **Layout** for rigid displays and projectors, you can combine up-to three different pictures in a call .
  - Show **remote site**, **Presentation** and **Selfview**
  - Change your screen **Layout** by pressing the **button**



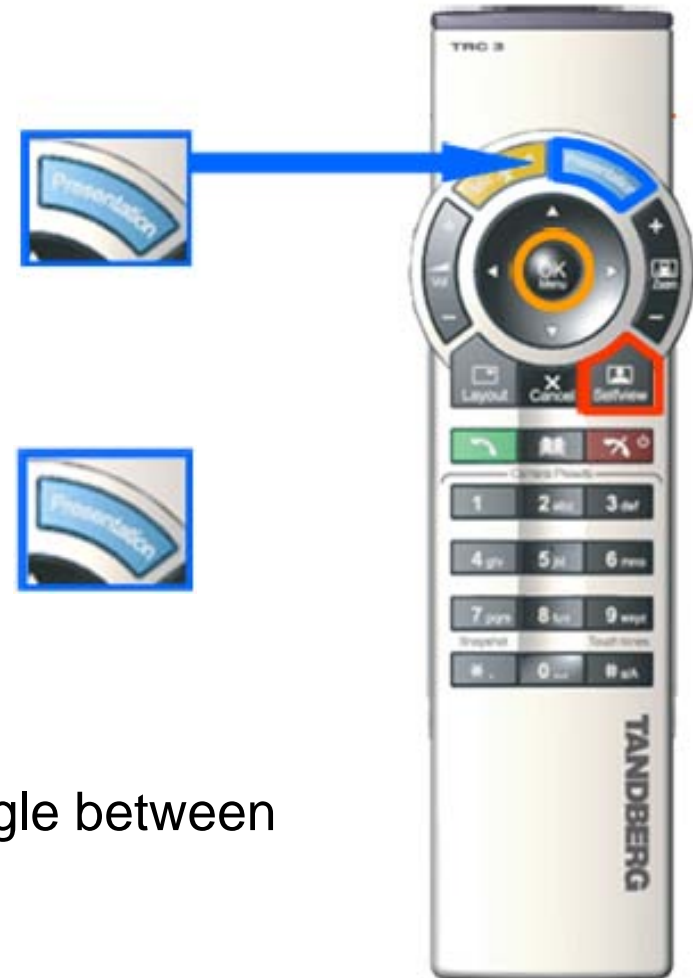
# Showing Presentations

## ■ Automatically

- **Press** the '**Presentation**' button to launch an **in-call view of your last selected source**.
- The video from this source will be displayed to the remote locations.
- **Press** again to **end presentation**

## ■ To “manually” select sources

- **Press and hold** the '**Presentation**' button
- A screen will appear listing video source
- **Highlight** the **desired source**
- Press '**OK**'



**REMEMBER:** You must use 'selfview' to toggle between the far-end the local view to allow local camera PTZ adjustment

# Video Sources

To toggle between sending difference source as your main video screen:

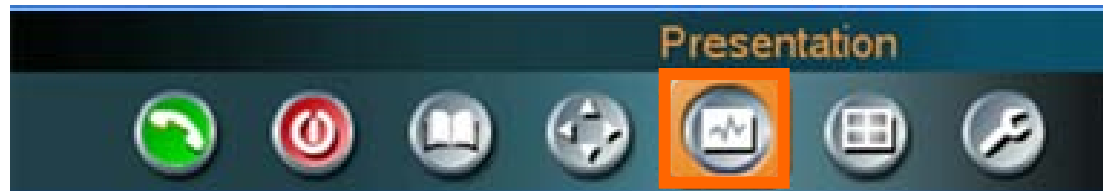
- In the **Main Menu** Choose the 'Presentation' symbol
- Selected the 'Main Video' option and choose the appropriate video source, and then simply press **'OK'**



symbol






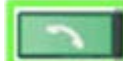
**REMEMBER-** go back to 'Main Cam' before exiting out of the menu





# Making MultiSite Calls

## During a point-to-point cal...

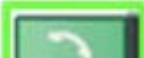
- Using the directory to place additional calls
  - Press **'directory'** 
  - Highlight name of person you want to call
  - Press **'Connect'** 
- Manually placing additional calls/ connections
  - Press **'Connect'** 
  - **Enter the number** using the keypads
  - Press **'Connect'**  again

*\*Bandwidth will be automatically adjusted as needed*  
using the **TANDBERG ICM**

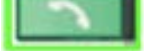
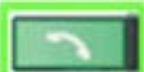


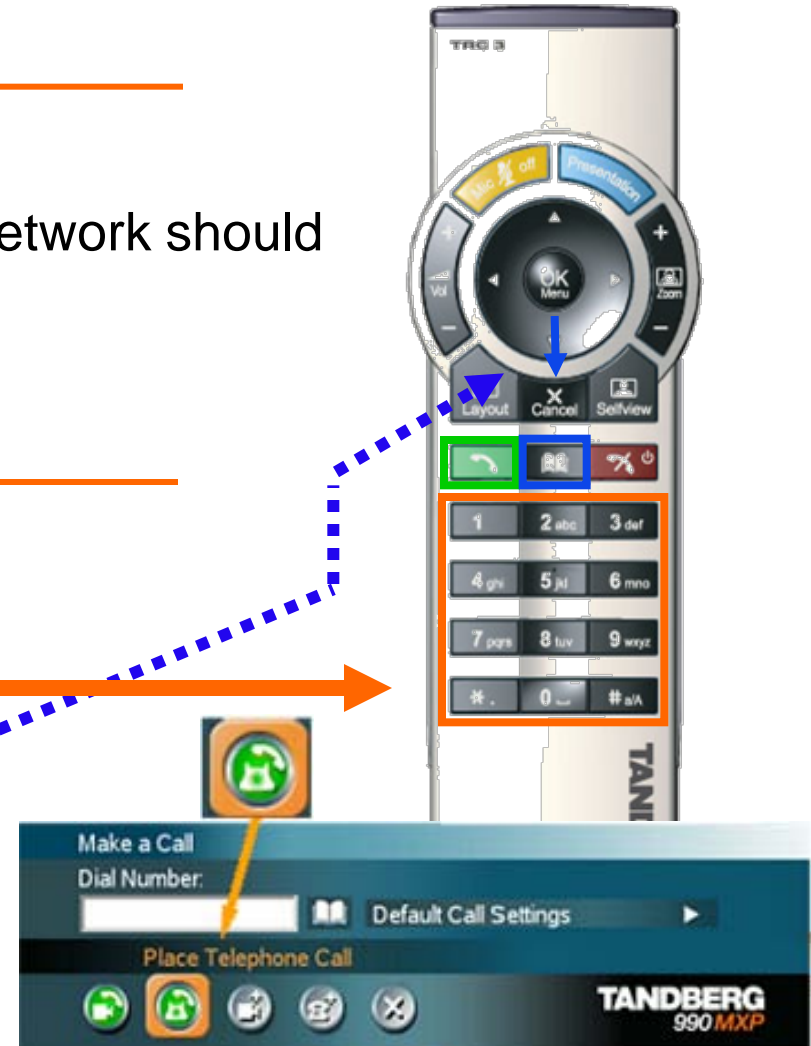
# Adding or Placing Telephone Call

## ■ Using the directory

- Press **'directory'**
- **Highlight name** of person to call (network should read telephone call)
- Press **'Connect'** 

## ■ Manually

- Press **'Connect'** 
- **Enter the number**
- Press **'Down'**
- Highlight **'Place Telephone Call'**
- Press **'Connect'** 



# Multisite Function (during the call)

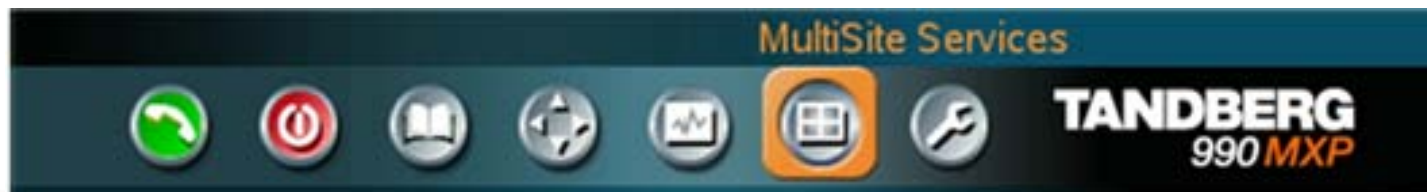
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- **Request/ Release Floor:**

- Any participant is able '**Request**' in order to be viewed by all locations in full screen mode and '**Release**' floor when finished speaking
- 

- **Assign/ Release floor to site number:**

- **Host** of the call is able to force to give floor access to another site



# Multisite Function (during the call)

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- **Layout: what we 'see' on our screens**
    - **'Voice Switched'**- The location that is speaking is the only site viewed by all participants (loudest and longest 'wins')
- 



# Multisite Function (during the call)

- **Layout: (what we 'see'...)**

- **'4 Split'** – 4 participants are split into 4 equal corners of the display screen area



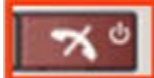

- **'5+1 Split'** – speaking participant is boxed in a larger screen with 5 other participant surrounding that screen





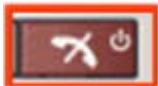
# Ending Multisite Calls

## To drop one participant

- Press the 'Disconnect' button 
- Using the **Directional Keys**, highlight the desired **site to disconnect**
- Press **OK** 

## To disconnect all participants

- Press the 'Disconnect' button twice (x2)



# Receiving Inbound Calls

- When receiving a call, **systems are normally set to 'Auto-answer + Mic Off'**. The system will automatically accept the call and by default, “Mic Off” = your mic will be turn ‘off’ at the start in order to better protect your privacy until wish to be “heard” by other
- If set to ‘**Manual-Answer**’ the **system will prompt** you to **‘Accept’** or **‘Deny’** the call; or can be set to **‘Do not disturb’**
  - Use the **‘Directional Keys’** to select your option and **press ‘OK’**



(If you select “Deny”, the caller will [ probably ] continue to attempt to make a connection with you. ‘Do Not Disturb’ will prevent any calls from ringing into your system by placing it in “busy” mode, and this can be cleared by pressing any key on the TANDBERG remote control)

# “Standby” and “Do not disturb”

\* Access by pressing ‘Disconnect’ when  **not in a call**

- **Delay standby** is used **when you want** to have your **company logo** present will not on a call

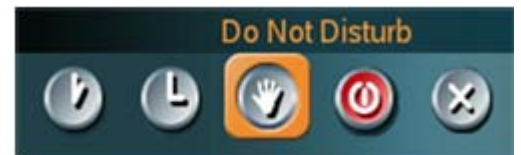


- **Standby** will not activate when showing PC content while not in a call

- **Standby** is use while not in a call black out in monitors (VESA Monitor Power Management)



- **Do Not Disturb** is used when you do not any incoming calls “ringing-in” to your system



Can be use to show local-only presentations uninterrupted by calls form the outside.

(‘Do Not Disturb’ will prevent any calls form ringing into your system by placing it in “busy” mode, and can be cleared by pressing any key on the remote or disconnecting your multisite call)

# Modifying the 'Directory'

Press the 'Directory' button , then...

- Use the **arrow key** to move to the left menu
- **Arrow / Scroll down** and **select** the **third icon**, labeled **'New'** (press 'OK')
- **Enter the Information** specific to to that person or location
- **Arrow to 'OK'** icon on screen and **press** the 'OK' button



# “Text Chat”

Use the alpha-numeric keypad to type text messages / information:

- In the **menu**, go to ‘**Control Panel**’
- **Select** the ‘**Text Chat**’ icon
- **Enter text using the keypad**
- **Press ‘OK’ to close** window
- Text is display on the local and far-end monitor (*be careful what your type!!!*)
- For site participant can respond to your message
- One of several tools that can be use at an aid for hearing impaired





# To get Help...

At any time, you can always go from the main menu to **TANDBERG's User Guide** and select from variety of topics to get explanations and other 'How to' descriptions

- Access the menu, and go to 'Control Panel'
- Then **choose 'User Guide'**



# ISDN and LAN settings menu

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- Select Network from Administrator Settings menu
- The network menu contain :
  - ISDN-BRI settings
  - LAN settings
  - Network Profiles
  - Data Port



# PC Presenter<sup>TF</sup>

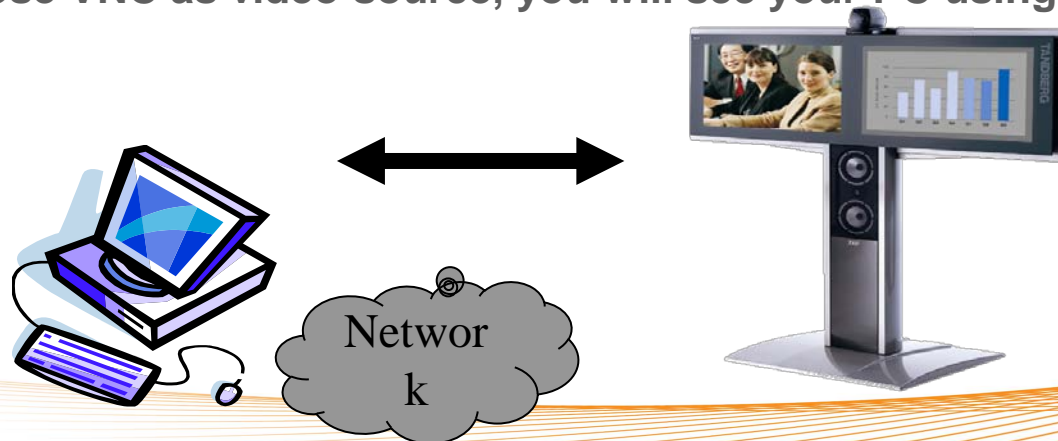
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- Make presentations easy to hold
  - Connect the VGA-DVI cable to the PC Presenter (PC DVI-I in) connector on the codec.
  - Connect the VGA-DVI cable to your PC (VGA Output).
  - Press the Presentation key.
  - Press the Presentation key again to end and go back to main camera.



# PC *Soft*Presenter<sup>TF</sup>

- PC SoftPresenter is used to display PC images on your system
- The system and your PC must be connected to the same LAN.
- VNC server software must be installed on the PC.
  - Start the VNC software on your PC.
  - You must configure VNC Settings. Open VNC Settings in the Presentation Settings.
  - Enter a IP address and Password of your PC
  - Press Save
  - If you choose VNC as video source, you will see your PC using VNC.



# Virtual Network Computing

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- VNC
  - Able to access computers on the network (must have password)
  - Can scroll through a power point without having an end user by using the left and right arrow buttons
  - VNC software is downloaded from:
  - [www.realvnc.com](http://www.realvnc.com)





# Adding Duo Video<sup>TF</sup>

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## ■ Automatically

- “Presentation Start” in the Presentations Settings menu should be “Auto”
- Select Video Source from Presentation Source.
- And press OK or Presentation key to connect Duo Video.
- Press “Main Cam” when finished.

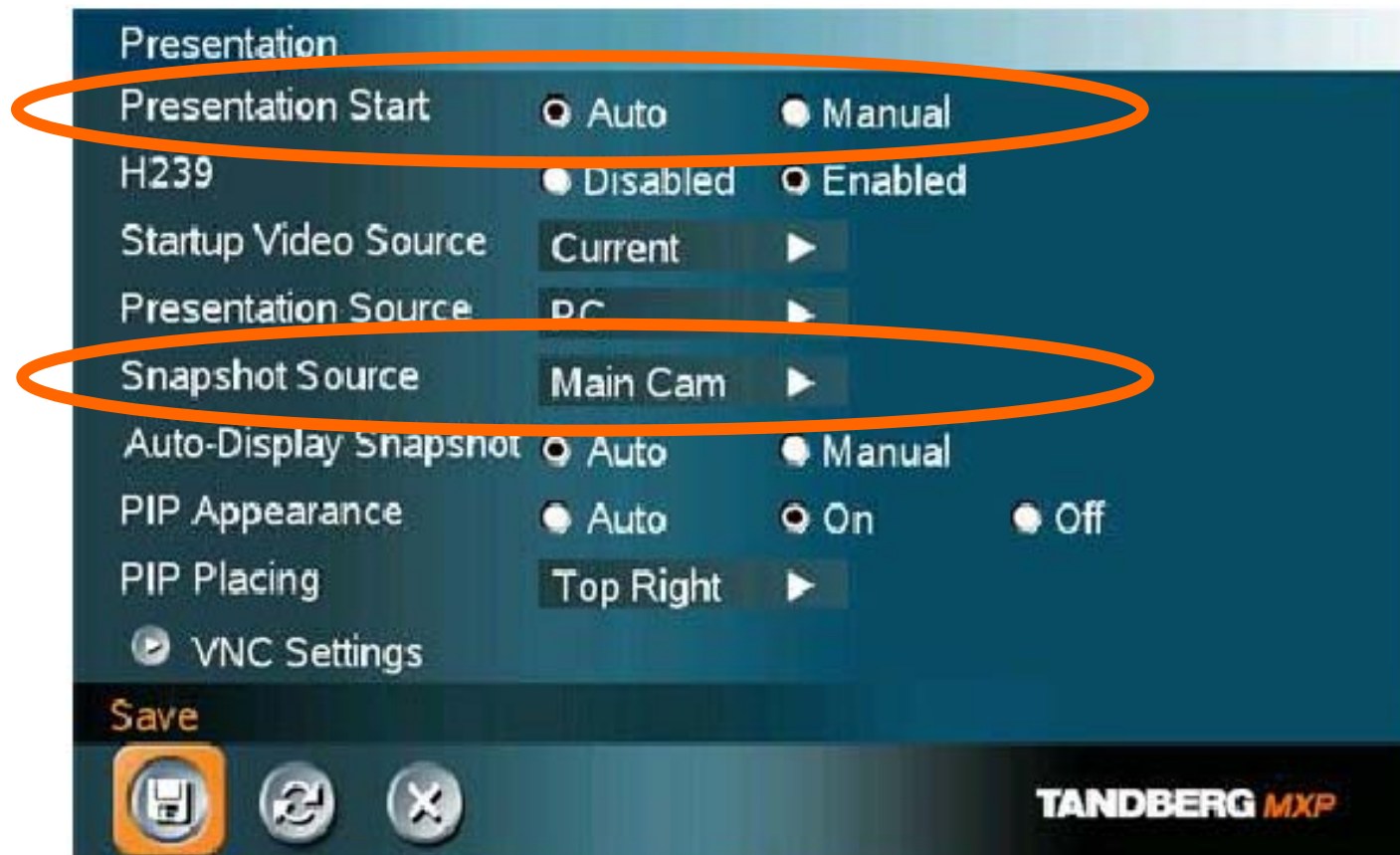
## ■ Manually

- Open the Start Presentation from the Presentation Menu.
- Select video source listed on the screen
- press OK
- When finished select Stop Presentation and press OK

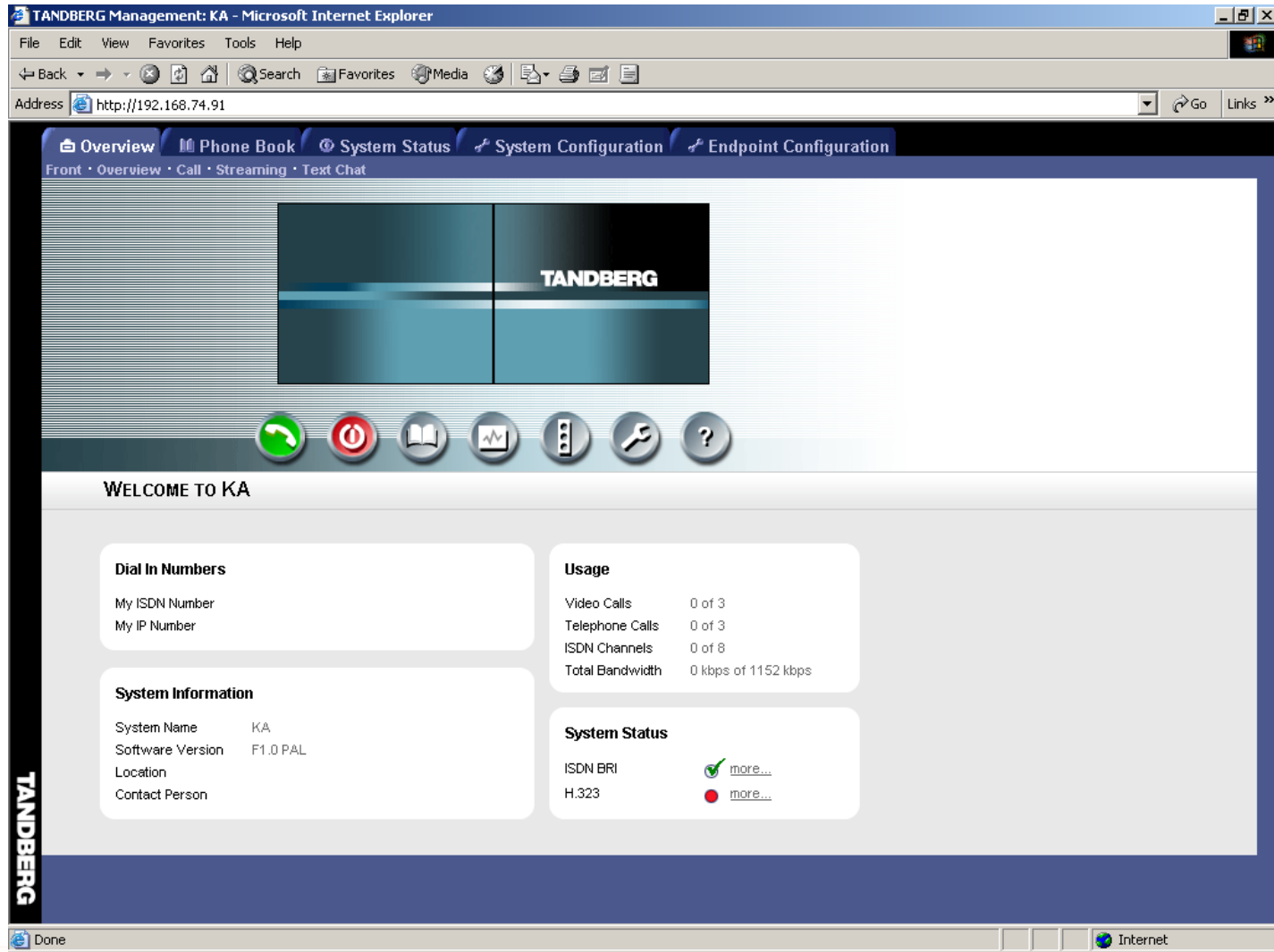


# Configuration SnapShot & Duo Video<sup>TF</sup>

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# Web Base Management



# Streaming

## Live videoconference on your PC

### ■ Start Streaming

- Open the Streaming menu from the Control Panel
- Press Start Streaming.
- Press Stop Streaming to end streaming.



Quick Time

### ■ View Streaming from a PC

- Start your Web browser and enter the IP-address of the streaming system.
- Click on Streaming.



# Contact information:

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## **MediaStream systems Co.,Ltd**

51/3 Vibhavadi Tower 12B Fl. Ngam Wong Wan Road  
Ladyao, chatuchak, Bangkok 10900

**Tel: 02-941-1530-2**

**Fax: 02-941-1001**

**ISDN: 02-941-4812-5**

**[www.mstreamsystems.com](http://www.mstreamsystems.com)**