

# Mobotix T24/T25

# Start-up

First of all, to ensure that your Mobotix T24/T25 door station and its module will be fully operational in Tydom 3.0, you must check that your device's firmware version is later than **4.1.4.11**. First, execute the Tydom 3.0 configurator to access the configuration of Mobotix T24/T25 audio-video door station.

Select a 'Site' to configure, then select the 'Multimedia' theme, then the 'Videophone' category as shown below.



'Multimedia' theme selection





Videophone category selection

The following steps will walk you through the configuration of your Mobotix T24/T25 in Tydom 3.0:

• Click on the interface's '+' button to create a new Videophone. A new Mobotix T24/T25 device appears in the interface.



This device includes three buttons. The 'eye' button shows the video door station image following configuration. The 'pencil' button to edit the configuration of Mobotix T24/T25. The 'cross' button to delete the device.

• Edit the configuration of the new Mobotix T24/T25 using the 'pencil' button. The main configuration page appears.





#### Mobotix T24/T25 main configuration page

- Enter an explicit name that will appear in Design Studio's 'Videophone' window.
- Select the type: Mobotix T24/T25
- Start the scan of Mobotix devices by pressing the 'arrows' button. After a few seconds, your videophone will be displayed in the list of Mobotix devices.
- Mobotix devices have a default name based on their factory-set IP address. The address is indicated at the back of the hardware and can help you identify your device when several are connected to your network.
- Select your Mobotix T24/T25 videophone
- Enter the administrator **username/password** and confirm.

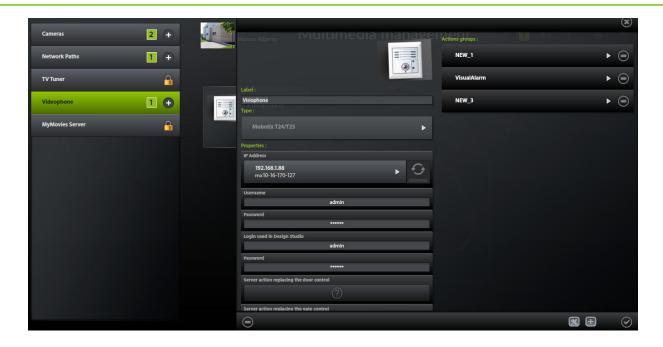
 $ilde{m{\Delta}}$  Mobotix devices have a default administrator username/password: **admin/meinsm**.

If you have recently removed your Mobotix T24/T25 from its packaging, it will still have factory settings. Then ,Tydom 3.0 will automatically generate the hardware configuration. Processing will take a few minutes and your Mobotix T24/T25 will be configured for use with Tydom 3.0.

In the 'Username used in Tydom 3.0' and 'Password' fields, specify the account that will be used for viewing in Design Studio. This can be your administrator account.

So, if a visitor presses the door station's doorbell, a window will open in Tydom 3.0 Design Studio, so that the user can see and hear the visitor. Now answer the door!





If your device has already been configured via the Mobotix administrator interface, automatic configuration will not start. So, no changes will be made to your current configuration.

In the 'Username used in Tydom 3.0' and 'Password' fields, specify the account that will be used for viewing in Design Studio. This can be your administrator account.

To be able to use your door station with Tydom 3.0, please refer to the *Manual configuration* section. It is also possible to restore the device's configuration and run an automatic configuration.



# **Automatic configuration**

After creating a video phone in the Tydom 3.0 configurator, automatic configuration will start.

During automatic configuration, the modules connected to MxBus are initialised. If you are using a MX-Keypad, it will be detected. A new scenario was created, notifying you of the use of an RFID card or access code in Tydom 3.0 Design Studio.

You will notice the Mobotix keypad flashing. Proceed as follows to finish the configuration process:

- Enter your admin code once (8 digits minimum) then press 'OK'
- Enter your admin code again then press 'OK'
- After a dozen seconds, the keypad LEDs will start flashing.
- The admin RFID card must be first
- Then do the same with the other RFID cards
- Press OK to finalise the configuration process
- ⚠ Entering the admin code will modify the admin password. You have to apply this change to the Tydom 3.0. configurator.



Opening or opening attempt notification via the keypad





Notification example when using an RFID card

# **Manual configuration**

## Configuring a Tydom 3.0. call

This section will show you how to quickly configure a Tydom 3.0 call.

The interface should now look like the following screenshot. If scenarios or action groups (action-related events) are found in the video phone, they will be displayed on the right hand side of the interface.

- Create a new event-action scenario using the '+' button, to configure the Mobotix call used in Design Studio.



Mobotix T24/T25 main configuration page



- Add an action by clicking on the '+' button.



Adding an event to a scenario

- Create the doorbell event
- Click on 'Signal' event type and on the '+' button



'Signal' event type selection



- The field 'Event sensor type' must be set to 'signal input'
- The field 'Signal input pin' must be set to 'Bell Button'
- Confirm the form



## Configuring the door station's bell

- Add an action to the scenario by clicking on the '+' button.



Adding an action to a scenario

- We are going to create a notification to inform Tydom 3.0 of a call



- Click on the 'Tydom 3.0 Call' action type and on the '+' button
- After a few seconds, the new action will appear. Select this new action and confirm the form.



#### Creating a new 'Tydom 3.0 Call' action

- Add an action to the scenario by clicking on the '+' button to select the chime on the door station when a call is made.
- Click on the 'Sound' action type and on the '+' button to create a new chime





## Creating a new 'Sound' action

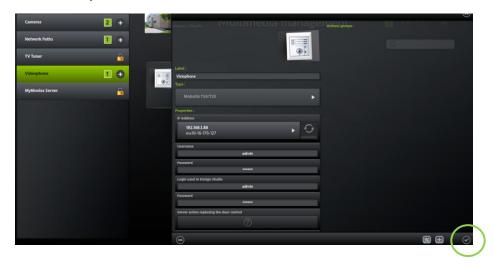
- After a few seconds, the new action will appear. Select this new action.
- Replace the field 'Profile name' with 'Videophone bell' for example.
- Specify the sound in 'Play list', e.g. standard chime tone 'DoorBell'.
- Confirm the form



Configuring a chime



We have now manually configured the Mobotix T24/T25 door station. To save the configuration in the device's permanent memory, please confirm the videophone's main form.



Confirming the main form

The next section covers the addition of many other functionalities, some of which are exclusive to Tydom 3.0.



## Configuring an advanced Tydom 3.0. call

A call configuration (see 3.1) is generated automatically. This call does not send any notification to the GrandStream telephones. As such, if a messaging service is configured for a call, it will be activated even if you answer from Tydom 3.0.

If either of these cases applies to you, you can configure a 'MxEasy' type call manually.

First of all, delete the 'Call' group action, which is not applicable.

Go to IP Notify and create a new group action and call it 'LifeCall'.

| ▼ IP Notify Profile 6 Life | eCall                                  | ☐ Delete   |
|----------------------------|--|--|
| IP Notify Type             | MxCC Alarm: acknowledge required ▼  60 | Predefined Configuration: "MxCC Alam" sends predefined network messages to the MxCC alarm list. Acknowledge Required prompts the MxCC user to confirm the message. If the alarm is not acknowledged within the specified acknowledge time, the camera triggers a transmission error. Select Custom Configuration to see the extended configuration.  Acknowledge Time: An alarm has to be acknowledged within this time limit [5300] in seconds. |
|                            |  | Factory default: 60s.  |
| Destination Address        | 192.168.1.32:8096                      | Destination Addresses: Receiver IP address and port. Separate IP address and port using a colon. Enter one address per line.   |

Select the 'MxCC Alarm: acknowledge required' type and indicate the chime duration in Tydom 3.0.

As recipient address, indicate the server IP address and the port (e.g. 192.168.1.32:8096).

Now we will configure the dispatch of a notification during a call.

Open the following tab: "Bell Behavior and Video Mailbox".

In 'Set Remote Stations for Door Station', add the Notify Profile 'LifeCall' IP by selecting it from the list then click on 'Add Selected devices':



| 8                                    |  |  |  |  |  |  |
|--------------------------------------|--|--|--|--|--|--|
| Set Remote Stations for Door Station |  |  |  |  |  |  |
| Remote Stations for Door<br>Station  | Grandstream_101 (Phone)   Remove remote station                |  |  |  |  |  |
| ē.                                   | Remove remote station  |  |  |  |  |  |
| Outgoing Call Profiles               | - None - 🛦   |  |  |  |  |  |
| ID N 4% D 4%                         |  |  |  |  |  |  |
| IP Notify Profiles                   | MxGuard-PopUp SimpleNotify MultipleNotify HttpRequest LifeCall |  |  |  |  |  |
|                                      | Add selected devices   |  |  |  |  |  |
|                                      |  |  |  |  |  |  |
| MOBOTIX App Device                   | - None - ▼   |  |  |  |  |  |
| ☐ Phone Call Fallback                | - None - ▼   |  |  |  |  |  |



If you have configured GrandStream calls, you will have to add the 'LifeCall' notification to your current Call Profile. Otherwise, create a Call Profile.

| Call Profiles                       |  |
|-------------------------------------|--|
| Call Profile                        | Ring only ▼  |
| Add call profile                    | Delete call profile  |
| Rename Call Profile                 |  |
| Name                                | Ring only  |
| Order of Signaling of the Remote St | ations   |
| ✓ Signaling Phase 1 Delete          | - None - Grandstream_101 (Phone) LifeCall (IP Notify)  30 sec. ▼ |
| Add signaling phase                 |  |
| Announcements and Video Mailbox     |  |
| Announcement                        | Disabled ▼  AnsMsgNoAnswer ▼                                     |
| Leave Message                       | Enabled ▼  |
| Sounds to Play at the Door Station  | While Signaling  |
| ✓ Door Bell                         | GlobalDefault ▼  |



## Manual configuration of the Mobotix keypad (MX-Keypad)

In this section, we will create a new scenario, which will notify you in the Tydom 3.0 Design Studio of the use of an RFID card or access code via the MX-Keypad.

- Create a new event-action scenario using the '+' button, to configure the RFID card notification in Design Studio.



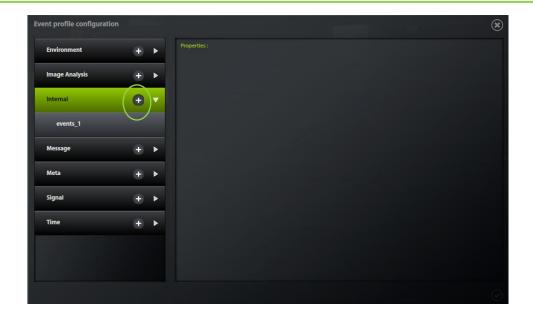
Mobotix T24/T25 main configuration page

- Add an action by clicking on the '+' button.



- Creation of the internal event PIN code correct
- Click on 'Internal' event type and on the '+' button





'Internal' event type selection

- The field 'Event sensor type' must be set to 'Door Station'
- The field 'Select incident' must be set to 'Door: Correct PIN'. Also note the presence of 'Door: Wrong PIN', 'Door: Correct RFID' and 'Door: Wrong RFID'
- Confirm the form



- After a few seconds, the event will appear in the scenario.



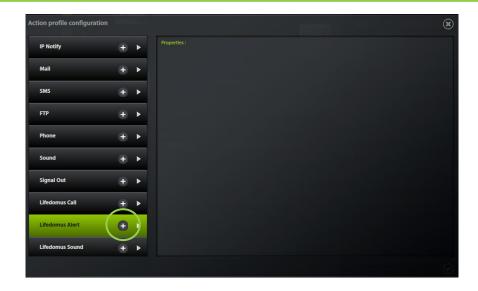
- Repeat the procedure above for the 3 events 'Door: Wrong PIN', 'Door: Correct RFID' and 'Door: Wrong RFID'
- Add an action to the scenario by clicking on the '+' button.



#### Adding an action to a scenario

- We are going to create an alert to inform Tydom 3.0 of a keypad-related event
- Click on the 'Tydom 3.0 Alert' action type and on the '+' button





Creating a new 'Tydom 3.0. Alert' action

- The field 'alert\_key' must be set to 'Entries'

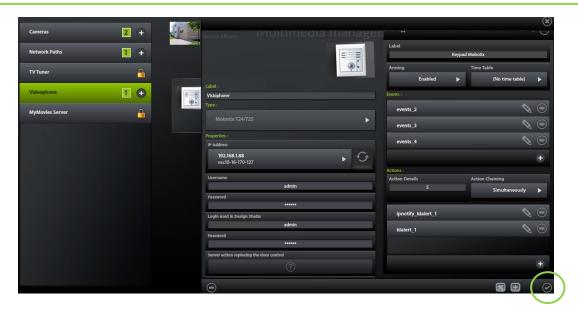


Creating a new 'Entries' type 'Tydom 3.0 Alert'

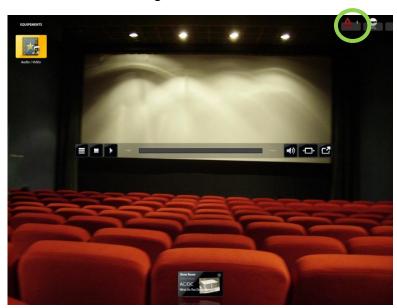
- Confirm the form

The manual configuration of Mobotix T24/T25 door station is now finalised. To save the configuration in the device's permanent memory, please confirm the videophone's main form.





Confirming the main form



Opening or opening attempt notification via the keypad



Notification example when using an RFID card



# **Advanced manual configuration**

## Configuring outgoing e-mails

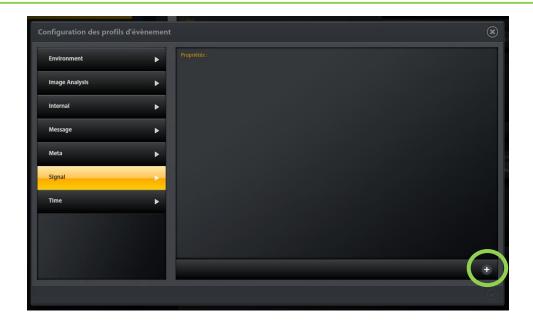
- Using the '+' button, add a new event-action scenario to send an email with a photo for a specific event, e.g. when pressing the light button
- Enter the 'Label' field (scenario name) with 'Send email'
- Add an event to the scenario by clicking on the '+' button.



Adding an event to the scenario

- Creation of the *light button* event
- Click on 'Signal' event type and on the '+' button





#### 'Signal' event type selection

- The field 'Event sensor type' must be set to 'Input signal'
- The field 'Signal input pin' must be set to 'Light Button"
- Confirm the form



#### Configuring the door station's 'light' button

- Add an action to the scenario by clicking on the '+' button to configure an outgoing email.
- Click on the 'Mail' action type to enter the general configuration for outgoing-incoming emails.
- Enter the 'SMTP server' field (e.g. smtp.free.fr)
- Enter the 'POP3 server' field (e.g. pop3.free.fr)



- Close the general configuration popup window
- Click on the '+' configuration button to create a new email.



#### Creating a new 'Mail' action

- After a few seconds, the new action will appear. Select it.
- Replace the 'Profile name' field with 'Send email' for example.
- Specify the recipient's address
- Specify the email's subject
- In 'Body Text', specify the text to be sent
- In the 'Attachment' field, specify 'Image'
- In 'Video clip format', select 'Simple JPEG files'
- Confirm the form





Configuring the 'Mail' action

To save the configuration in the device's permanent memory, please confirm the videophone's main form.

## Restore factory settings

- Open the general properties by clicking on the 'Tools' icon in order to restore to factory settings.
- Click on the 'General' tab in the general properties.
- Fill in the 'System management' field with reset

The factory settings will be saved in the device's permanent memory. This will take about 30 seconds then Mobotix will reboot (LEDs off), wait about one minute. Note that usernames/passwords have also changed (admin/meinsm).

You can now use Tydom 3.0's automatic Mobotix T24/25 door station configuration. Required actions:

- Delete the videophone from the configurator using the 'cross' button.
- Refer to section Erreur! Source du renvoi introuvable.

## Applying Tydom 3.0's automatic configuration

- Open the general properties by clicking on the 'Tools' icon in order to restore to factory settings.
- Click on the 'General' tab in the general properties.
- Fill in the 'System management' field with autoconfiguration

Automatic configuration takes about 2 minutes. Close the configurator then restart it to see the new configuration of your Mobotix T24/T25.



## Starting a Tydom 3.0 scenario from a Mobotix event

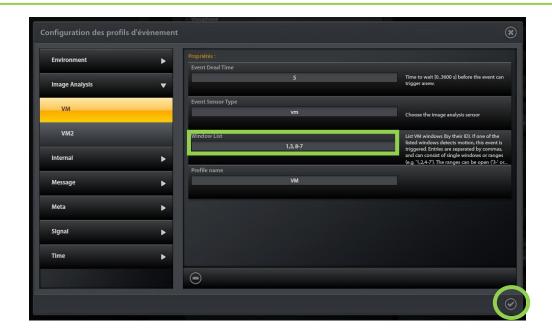
- Using the '+' button, add a new event-action scenario to start a Tydom 3.0 scenario for a specific event, for example a motion detected on a portion of the image
- Fill in the 'Label' field (scenario name)
- Add an event to the scenario by clicking on the '+' button.



Adding an event to the scenario

- Creation of the motion detection event
- Click on the 'Image Analysis' event type and on the '+' button
- Enter the IDs for the motion detection windows in the 'Window List' field. Example: '1,3,8-11' for windows 1, 3 and from 8 to 11.
- Confirm the form





#### **Configuring motion detection**

- Add an action to the scenario by clicking on the '+' button to configure the start of a Tydom 3.0 scenario.
- Click on the 'Tydom 3.0 Scenario' action type
- Click on the '+' configuration button to create a new action.
- In 'Scenario\_key', select the required Tydom 3.0 scenario from the drop-down list.
- Confirm the form





#### Configuring a Tydom 3.0 scenario type action

To save the configuration in the device's permanent memory, please confirm the videophone's main form.

## Activating/Deactivating a Mobotix scenario in a Tydom 3.0 scenario

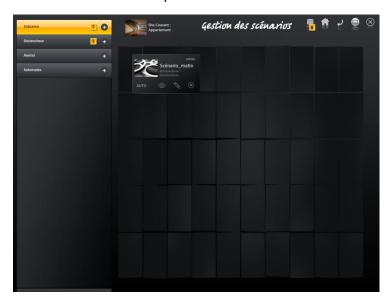
First, execute the Tydom 3.0 configurator to access the Tydom 3.0 scenario configuration.

Select a 'Site' to configure, then select the 'Scenarios' theme.



### Selecting the scenarios theme

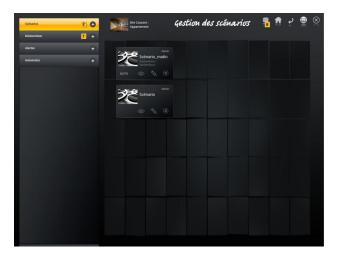
- Click on 'scenarios' then on '+' to create a new Tydom 3.0 scenario.



Creating a new Tydom 3.0 scenario



- The new scenario appears.
- Use the 'pencil' button to specify the name of the scenario and select a trigger.



Display of the new Tydom 3.0 scenario

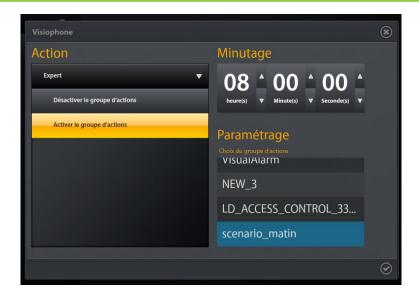
- Click on the 'eye' button
- Select the videophone category
- Select the applicable videophone
- Press the '+' button



**Selecting a Videophone** 

- Select the action: enable or disable a Mobotix scenario (also called action group)
- Enter the timing
- Select the relevant Mobotix scenario





Configuring the activation of a Mobotix scenario (action group)

The new action will now appear in the scenario. The configuration of the activation of a Mobotix scenario in a Tydom 3.0 is now complete.



Display of the action in the Tydom 3.0 scenario



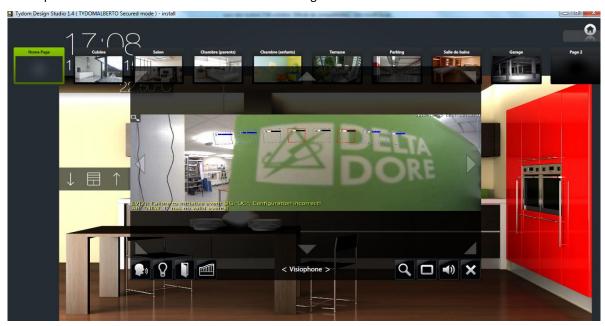
# Use of Mobotix T24/T25 in Tydom 3.0 Design Studio

## **Presentation**

The view window of the T24/T25 videophone in Tydom 3.0 Design Studio is shown below.

#### The bottom bar includes:

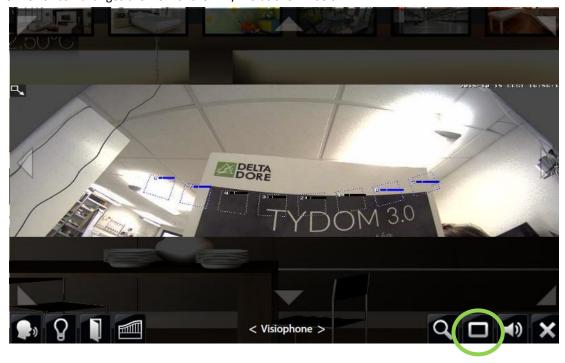
- The 'Telephone' icon for answering a call. This icon changes from red to green when a call is ongoing.
- The 'Light' icon to switch the outdoor lighting on/off controlled by your T24/T25 station
- The 'Door' icon to open/close the door
- The 'Speaker' icon to control the volume of calls in Design Studio



View window of the T24/T25 videophone in the Tydom 3.0 Design Studio

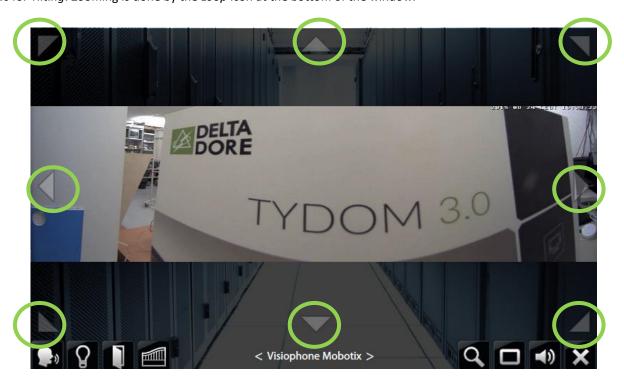


- The 'views' icon changes the view of the T24/T25 as shown below.



T24/T25 view management

The PTZ is managed with the arrows that appear over the image. The horizontal arrows are used for *Panning*, and the vertical arrows for *Tilting*. Zooming is done by the *Loop* icon at the bottom of the window.



Managing the PTZ in Design Studio



## Edit mode

In Design Studio, select the 'edit mode' icon in the top bar.



Selecting in edit mode

A new top bar appears, select the 'videophone' icon

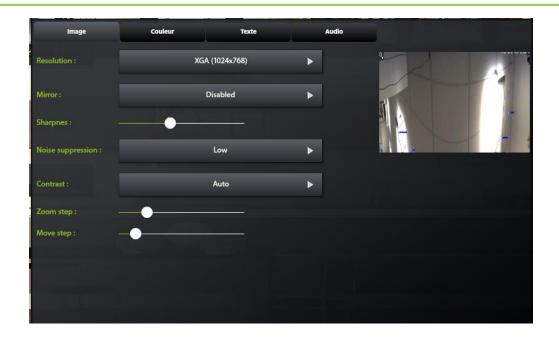


#### 'Videophone' icon selection

The Mobotix T24/T25 edit mode window appears. The first tab, 'Image', modifies the following parameters:

- Image resolution from 160x120 (QCIF) to 2048x1536 pixels (QXGA)
- The possible activation of the image reflection (vertical, horizontal, in both directions)
- Image clarity. It is an edge sharpening filter in this case
- The noise delete mode (Disabled, top, bottom)
- Contrast (Disabled, Automatic, Extended, Aggressive)
- Zoom pitch
- Displacement pitch



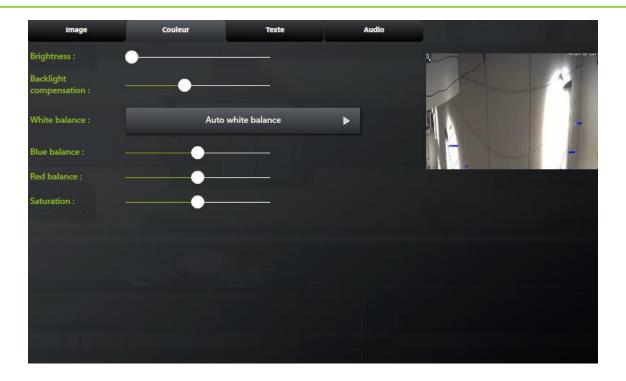


Edit mode – 'Image' tab

The second tab, 'Colour', modifies the following image parameters:

- Brightness
- Back-light compensation
- White balance (auto, 2500 °K to 16000 °K)
- Blue balance
- Red balance
- Saturation



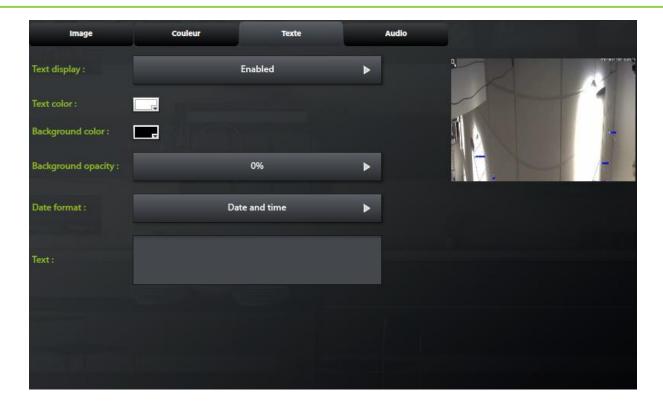


Edit mode - 'Colour' tab

The third tab, 'Text', is used for configuring text overlay:

- Activation or deactivation of text overlay, date and time overlay
- Text colour
- Background colour
- Background opacity (0% to 100%)
- Date format
- Entry of text for overlay



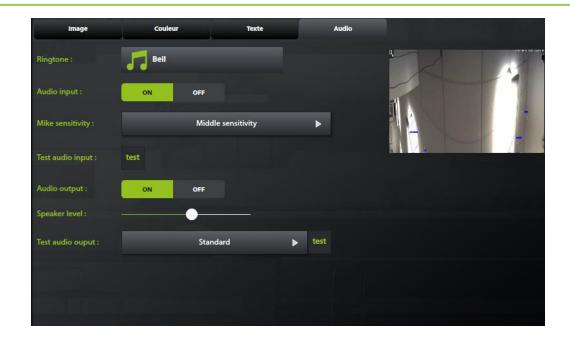


Edit mode - 'Text' tab

The last tab, 'Audio', manages the following parameters:

- Chime tone selection in Design Studio for a videophone call
- Microphone activation or deactivation (audio input)
- Door station microphone's sensitivity (low, medium, high)
- Door station microphone test. The T25 LEDs will flash when the microphone signal is recorded. The signal is then broadcast through the T25 videophone's loudspeaker
- T25 loudspeaker activation or deactivation
- Loudspeaker volume management
- Door station loudspeaker test. Select a chime tone then press the 'test' button. It will play through the T25's loudspeaker.





Edit mode - 'Audio' tab



# Configuring the Design Studio iPad application

There are 2 types of configuration according to your application's version

## iPad design studio version earlier than 1.13

To communicate with the Mobotix T24/T25 door station, Tydom 3.0 for iOS needs a VoIP connection.

For communication to be possible, go to the Mobotix T24/T25 door station's administrator interface.

The interface is available from a web browser at the following address:

#### http://<ip address>/admin

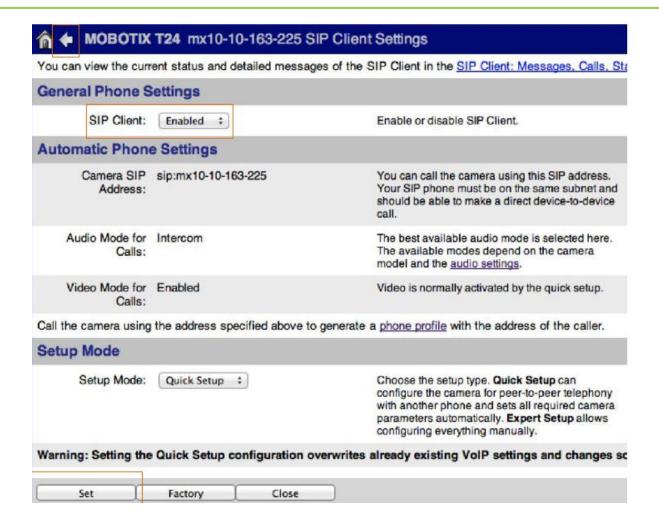
Where: <ip\_address> is the IP address of your Mobotix T24/T25 door station. (This IP address can be recovered using Tydom 3.0 Config Studio, 'Multimedia' theme, 'Videophone' category and in the properties of the Mobotix T24/T25 door station)

When the page is uploaded, you may be prompted to enter a username and password. These login details are the same as those used for configuring the Mobotix T24/T25 door station.

Mobotix devices have a default administrator username/password: admin/meinsm.

When the administrator interface is active, select 'SIP Client Settings' in the category 'Audio and VoIP Telephony'. (Also available on http://<adresse\_ip>/admin/voipconfig).

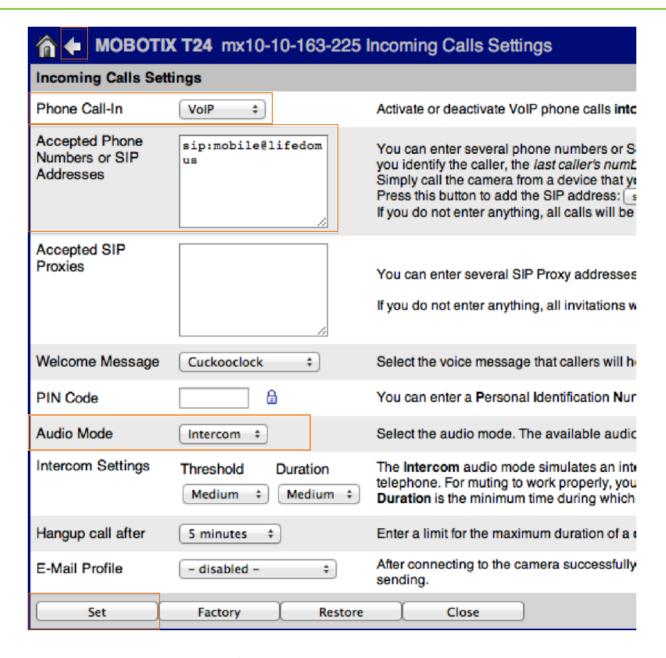




On this page, just set the 'SIP Client' parameter to 'Enabled' and confirm by clicking on bottom left 'Set' button. When uploading is finished, click on the top left arrow to return to the previous menu.

Now select 'Incoming Calls Settings' from the category 'Audio and VoIP Telephony'. (Also available on <a href="http://<ip\_address>/admin/audio callin">http://<ip\_address>/admin/audio callin</a>).





To enable Tydom 3.0 to call the Mobotix T24/T25 door station, set the 'Phone Call-In' option to 'VoIP'. In order to restrict calls to Tydom 3.0 applications, enter 'sip:mobile@Tydom 3.0' in the 'Accepted Phone Numbers or SIP Addresses' box.

If other lines are available, add after the other lines (e.g. All the grandstreams: \*101@IPDELAMOBOTIX) and delete the contents in 'Accepted SIP Proxies'.

In addition, make sure to set the audio mode to 'Intercom mode', otherwise the iPad will be connected as audio, but there will be no sound.

Click on 'Set', bottom left, to confirm. When uploading is finished, click on the top left arrow to return to the previous menu. To save your changes, select 'Store' in the 'Configuration' category. (Also available on http://<ip\_address>/admin/saveconfig)



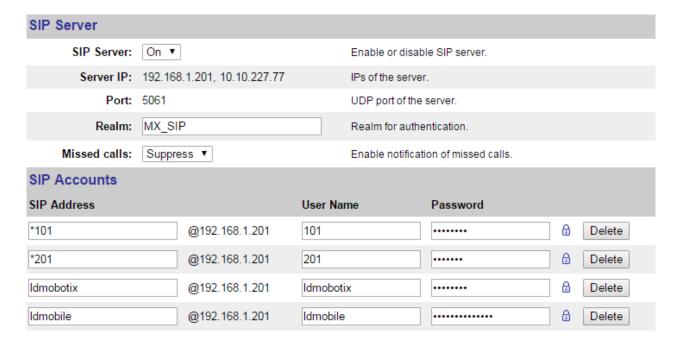
On the page, click 'Store Permanently' then click on the 'Reboot' link (Also available on http://<ip\_address>/admin/reboot) and on the 'Reboot Now' button to reboot the Mobotix door station.

## iPad design studio version from 1.13

This configuration is generated automatically if the version of your Tydom 3.0 server is 1.4.112 or later.

Tydom 3.0 will activate the SIP functionalities, if they have not been activated, and create 2 SIP accounts: one for the iPad application and one for the Mobotix, so that it can respond.

SIP Server Settings shows the Idmobotix and Idmobile accounts:

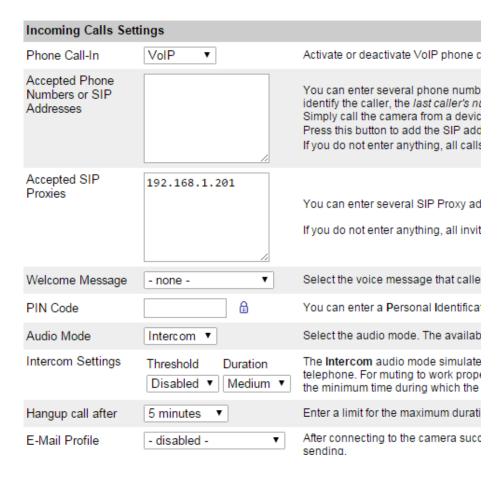


SIP Client Settings shows the Idmobotix account:

| SIP Accounts               |           |  |                               |   |  |   |  |                                   |  |  |
|----------------------------|-----------|--|-------------------------------|---|--|---|--|-----------------------------------|--|--|
| SIP Address Authentication |           | Server   |                               | Available<br>as Proxy   | Use as<br>Registrar  | Register<br>Expiration                                    |  |                                   |  |  |
| Domain                     | User Name | Password   | Hostname / Address            | Port  |  |   |  |                                   |  |  |
| <b>@</b> 192.168.1.201     | 201       | ····· a  | 192.168.1.201                 | : 5061  | •  | •   | 5 min. ▼   | Delete                            |  |  |
| <b>@</b> 192.168.1.201     | Idmobotix | a  | 192.168.1.201                 | : 5061  | •  | •   | 5 min. ▼   | Delete                            |  |  |
| (                          | Domain    | Domain         User Name           @ 192.168.1.201         201 | Domain   User Name   Password | Domain         User Name         Password         Hostname / Address           @ 192.168.1.201         201          ☐ 192.168.1.201 | Domain         User Name         Password         Hostname / Address         Port           @ 192.168.1.201         201          fig. 192.168.1.201         : 5061 | Domain   User Name   Password   Hostname / Address   Port | Domain User Name Password Hostname / Address Port Registrar    Password   Hostname / Address   Port   Possword   Possword | Address   Authentication   Server |  |  |



Deletions of 'Accepted Phone Numbers' created by the iPad's previous configuration.



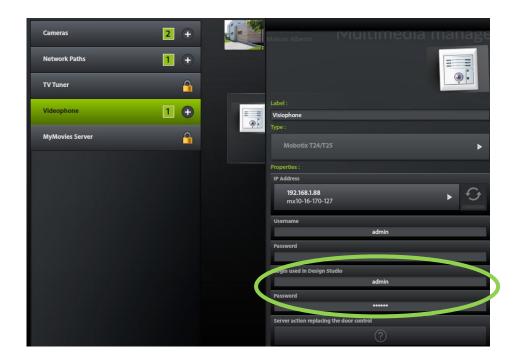
△ Always select 'Intercom' from the 'Audio Mode' parameter and enter no PIN Code.



# FAQ (Frequently Asked Questions)

## There is no image in the configurator and Design Studio

Check that the 'Login used Tydom 3.0' and 'Password' fields are filled in. They are used to specify the account to be used for viewing your Mobotix T24/T25 in Design Studio. This can be your administrator account.



Mobotix T24/T25 main configuration page

## There is no sound from Design Studio PC to Mobotix

Check that the MxCC right is enabled for the 'Public Access' group in the Group Access Control Lists tab.

