

TrueConf for Android TV

User guide

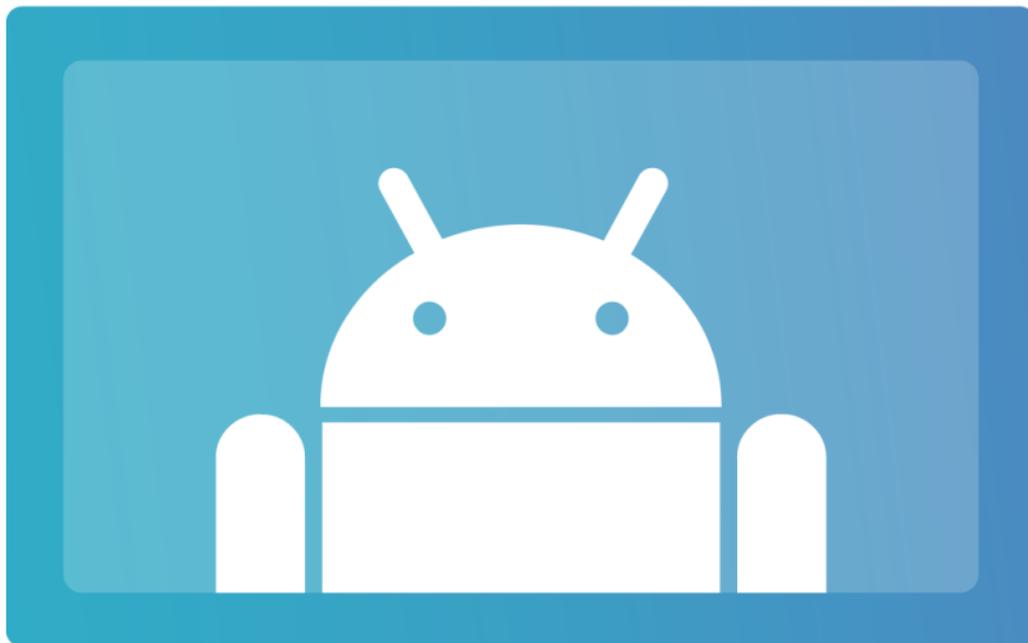


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1. Setting up

TrueConf for Android TV lets you make and participate in video calls and group conferences using popular devices powered by Android TV, e.g., NVIDIA SHIELD TV and Xiaomi Mi Box set-top boxes.



You can find the full list of supported devices and recommended AV peripherals at [our website](#).

1.1. App features

- Enjoy 4K (Ultra HD) video calls and conferences
- Run meetings with up to 1000 participants (up to 1600 using UDP Multicast mode)
- Page-by-page display of video windows in the conference layout
- Try different video conferencing modes: video call (one-on-one) and three types of group conferences: all on screen, moderated role-based conference, and video lecture.
- Private meetings for registered users and public webinars with guest connection
- Point-to-point video calls can be run directly between the users bypassing the server
- In a moderated role-based conference, attendees can request the podium or make an audio reply without taking the podium while moderators can invite participants to the podium or remove them from the podium.
- Making calls to mobile and landline numbers using the built-in dialer
- Making calls to SIP/H.323 and RTSP devices
- Exchange messages and share files in personal and group chats. Your messages will be delivered even if your partner is currently offline
- Chat history, including group chats of the meetings that have already finished
- Add and remove participants while the conference is in progress
- Local address book (adding and deleting contacts and groups, editing contact information, searching and blocking contacts) and global address space via LDAP
- Call history
- Built-in echo cancellation algorithms
- Sync your address book when used with TrueConf Online
- Block incoming calls from users who aren't in the address book
- Block messages from users who aren't in the address book
- Take incoming calls automatically
- Disable recording your video window during a call or a group conference
- Performance mode settings in a conference
- Ability to restrict the speed of network connection manually.

1.2. Installation

Read a user manual for your set-top box to connect a TV, webcam, microphone (if your camera doesn't have a built-in mic), power cable, and Ethernet cable in case a wired Internet connection is used.

i To make sure you enjoy the best audio and video quality, your communication channel should meet our bandwidth requirements. We recommend using a wired connection if possible.

You can now turn on your device and download TrueConf for Android TV for free from [Google Play](#) .

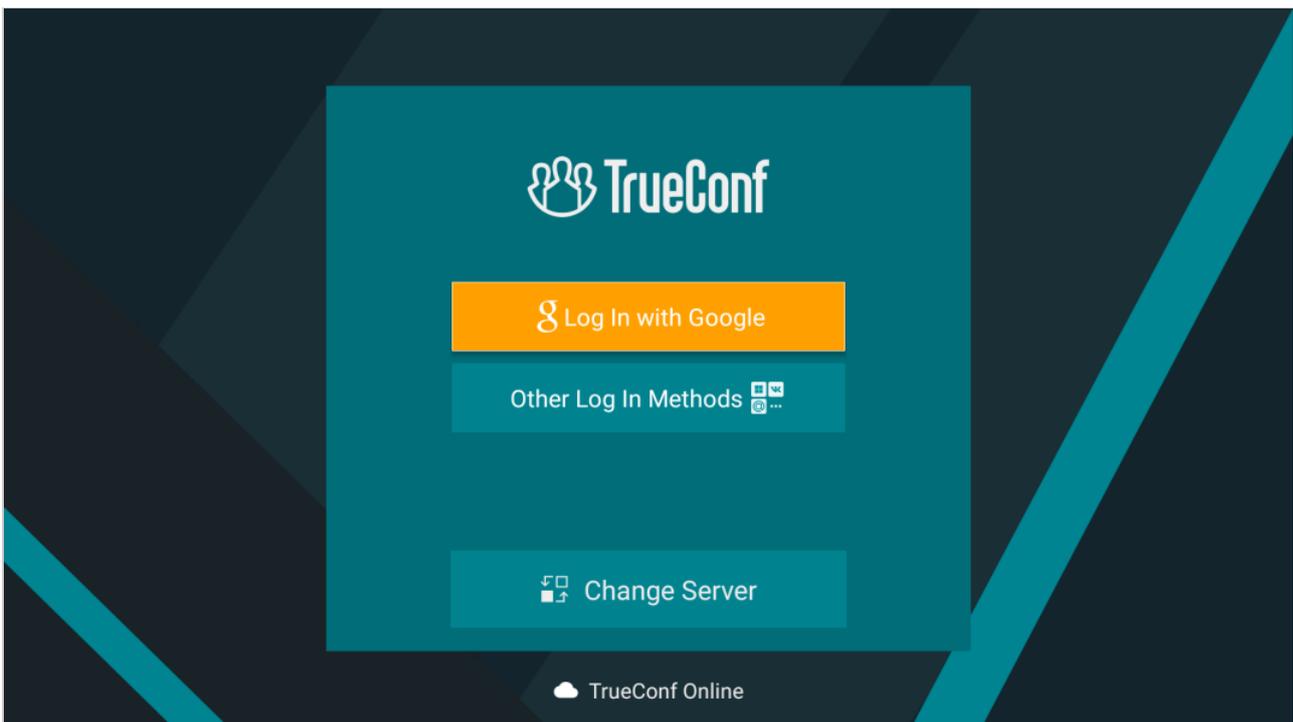
***** If necessary, you can [download the .APK file](#) to install the app on your device.

Once installed, the app can be launched. You can use your device's standard control tools to run the app.

i Make sure a compatible camera and microphone (or a camera with a built-in microphone) is connected to your device before launching the app. If you connect them after the app launches, you may need to restart your device to find these devices.

1.3. Authorization

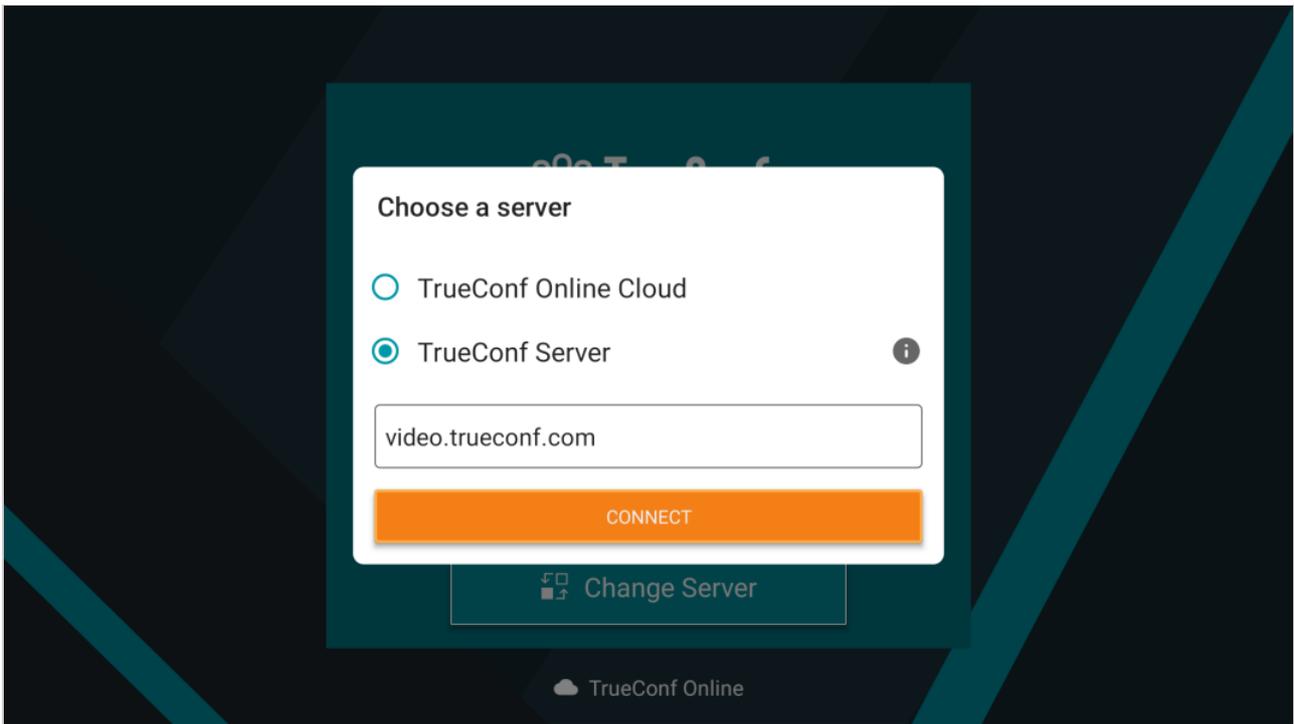
Similar to other TrueConf client apps, TrueConf for Android TV can be connected either to the [TrueConf Online cloud-service](#) (enabled by default) or to [TrueConf Server video collaboration platform](#).



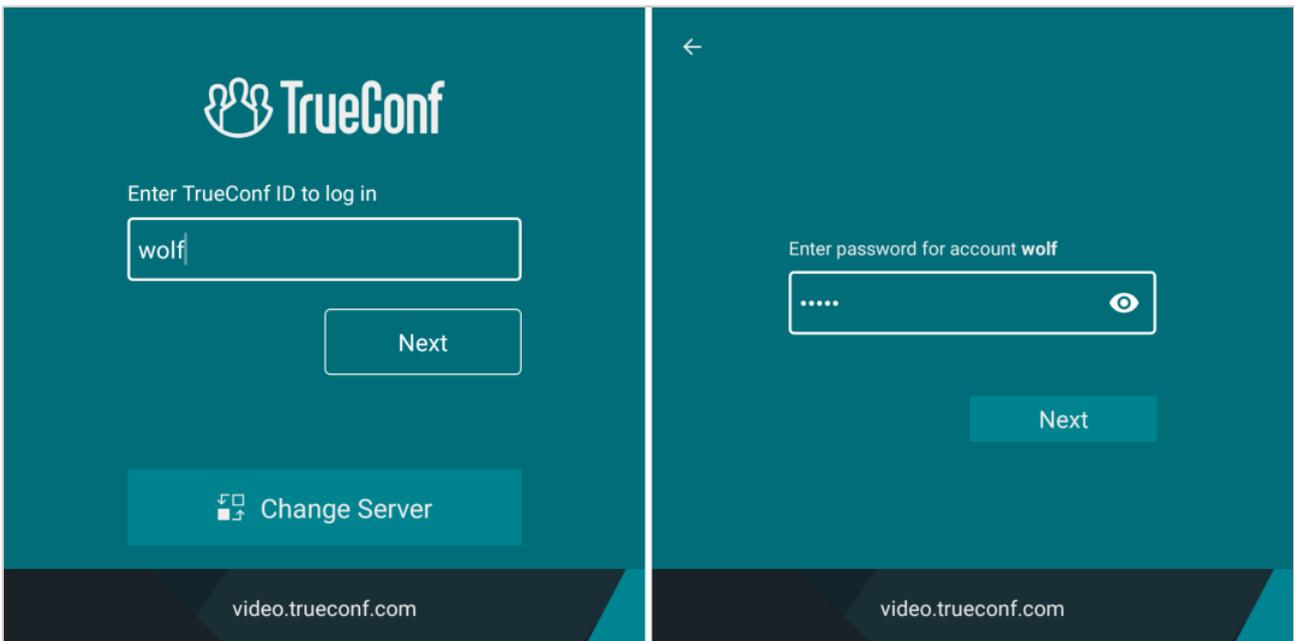
You can log in to the cloud service either with a [TrueConf account](#) that can be created on our official website, or with your existing social network account.

To connect to your TrueConf Server instance, press the **Change Server** button.

In the pop-up window, choose **TrueConf Server** and enter your server's IP address or domain name, e.g., *server.company.com*. Press **Connect**:

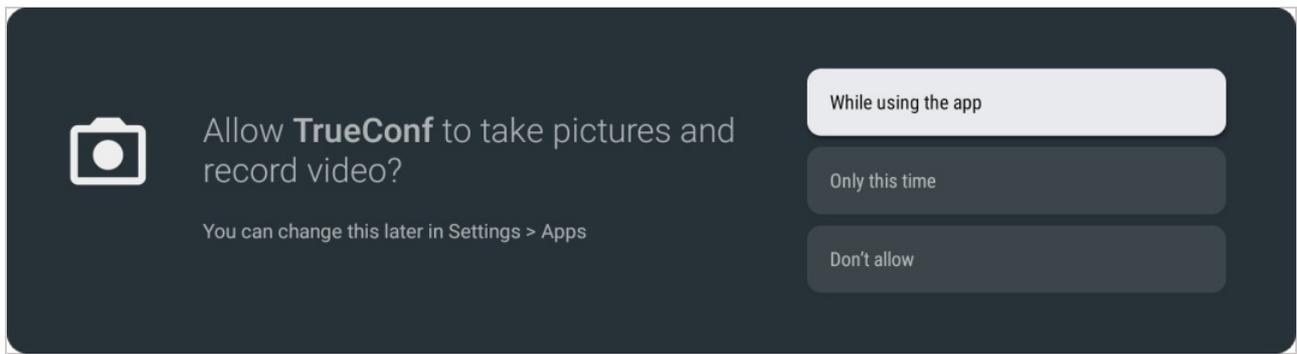


Enter your account credentials: login (TrueConf ID) and password:



1.4. AV device settings

When the application is launched for the first time, and you have already authorized, you will need to allow the application access to your camera and microphone. To do it, click **While using the app**:

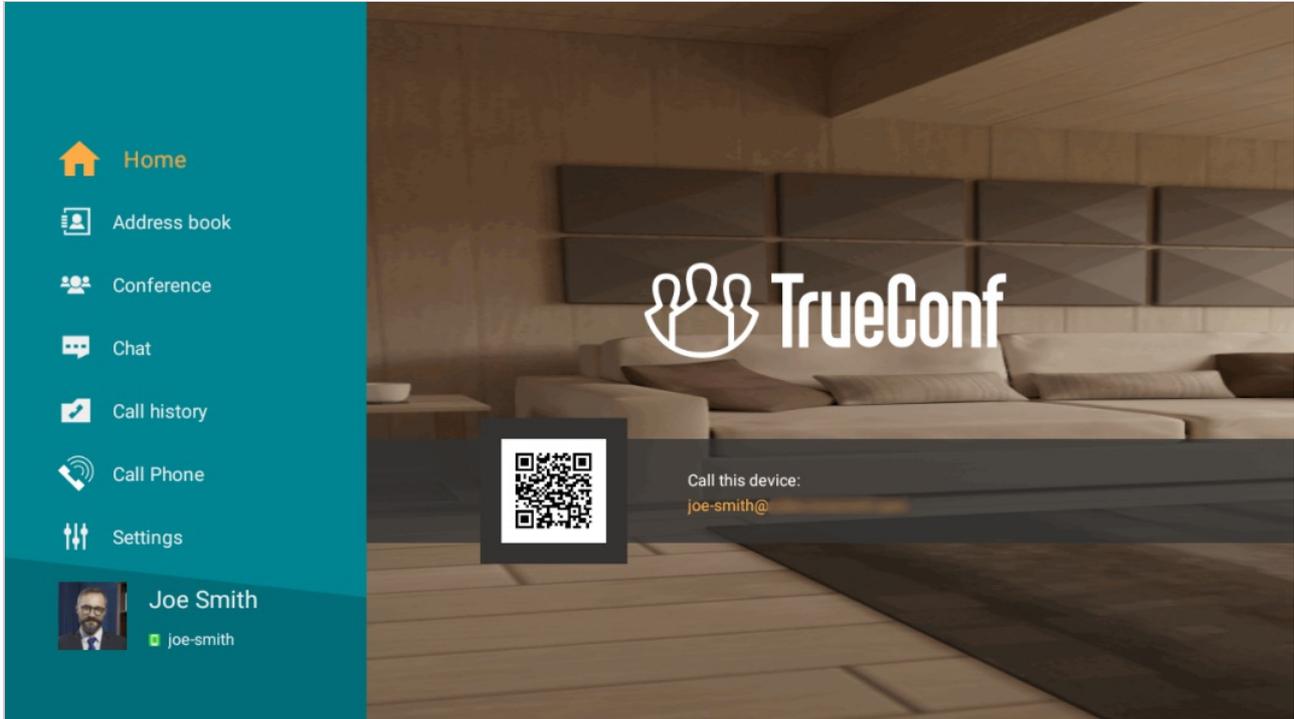


Then, you will see the [application home page](#).

2. Getting started

2.1. Home page

On the home page you can find the address of your Android TV box. You can share it with your contacts to start communication. To do this, you can use your smartphone or tablet's camera to scan the QR code on your home page and forward the link to your friends or colleagues.



Your webcam video is used as a TrueConf application background, which enables you to check on how you look on a video call beforehand. You can enter full-screen mode by pressing **OK** or using the Right Arrow button on your remote control. To exit full-screen mode, press the Left Arrow or the **Back** button.

On the left, you can find the main menu where you can:

- [Receive and make video calls](#)
- [Create group conferences](#)
- [Join video meeting by entering its meeting ID](#)
- [Exchange messages in chat.](#)

2.2. Address book

In the [address book](#), you'll see your contact list if you have filled it beforehand:

- In [TrueConf client app](#)
- In your [personal area \(via TrueConf Server\)](#)
- In your [personal area \(via TrueConf Online/TrueConf Online\).](#)



Your TrueConf Server administrator could also fill the address book for you in the TrueConf Server control panel.

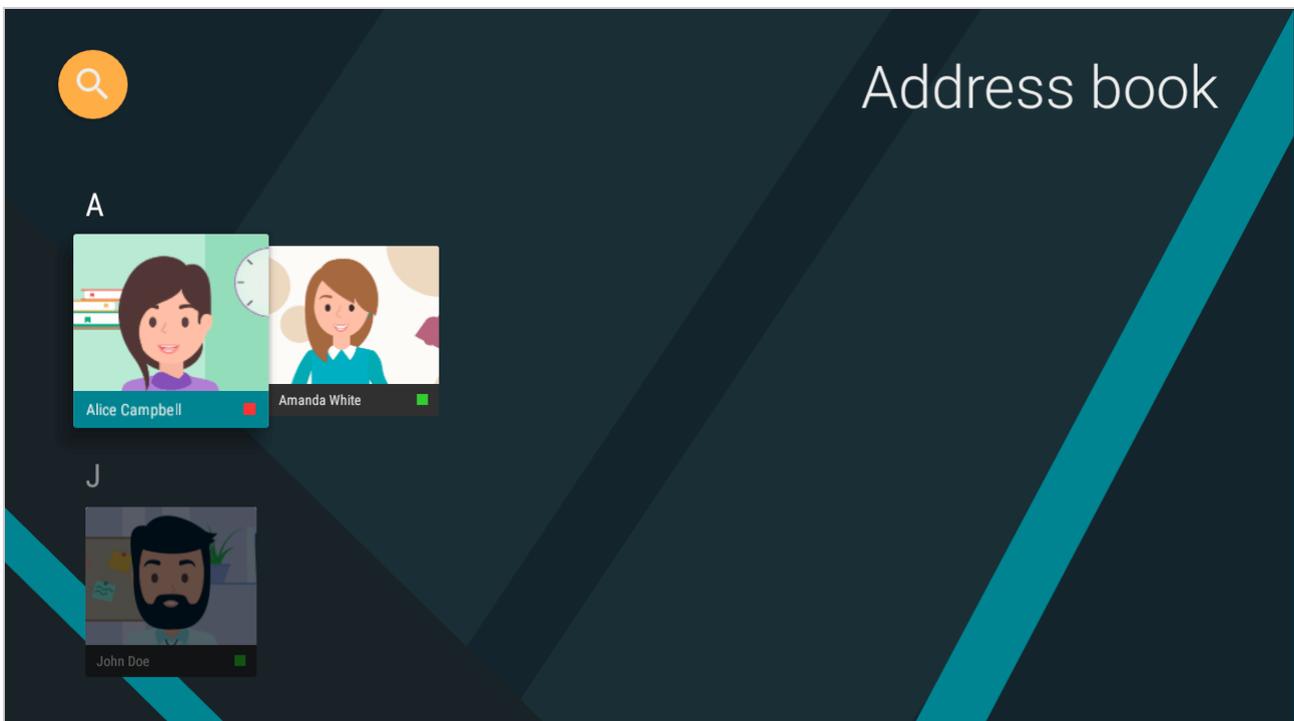
2.2.1. User statuses

Every user in the address book will be displayed with one of the following statuses:

- — Online
- — online from a smartphone or tablet
- 🔒 — online from a hardware or software SIP/H.323 endpoint
- — recent activity: this network status is given to a user who previously signed into the mobile application, but is currently offline.
- ★ — the Owner of an ongoing conference
- — Busy (in a video call or conference)
- 🕒 — Away (away from keyboard for a certain time period, 15 minutes by default)
- 🚫 — Do not disturb (the status is set manually in the [user profile](#), for example, in TrueConf for Android client application)
- — Offline
- — Unknown (e.g., an account does not exist or is created on an external server which if not federated with your server instance. This status may also be assigned to an existing user on the same server which has not been yet added to the address book).

2.2.2. How to find a contact

Use the search field button  at the top of the screen to quickly find TrueConf users with their IDs and view their profiles.



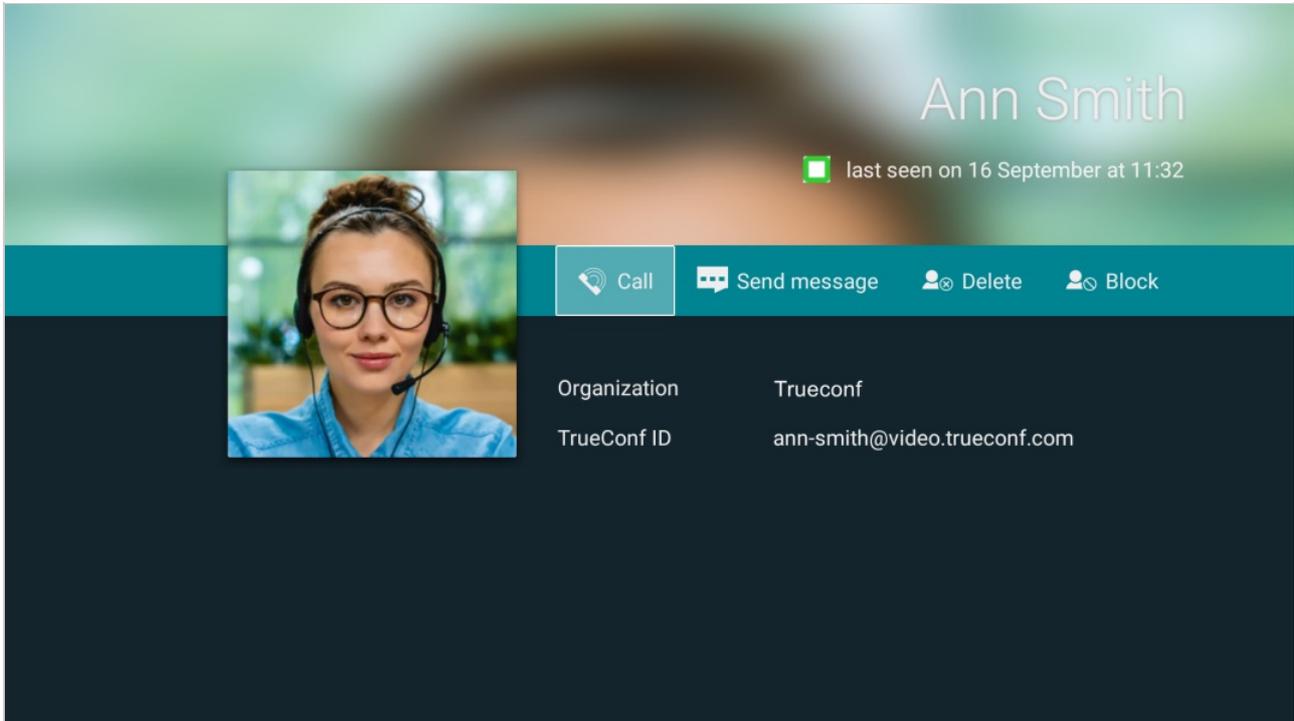
2.2.3. User profile

To view additional information about a user, select the user in the list and proceed to their profile. You'll see the following information:

- Full name

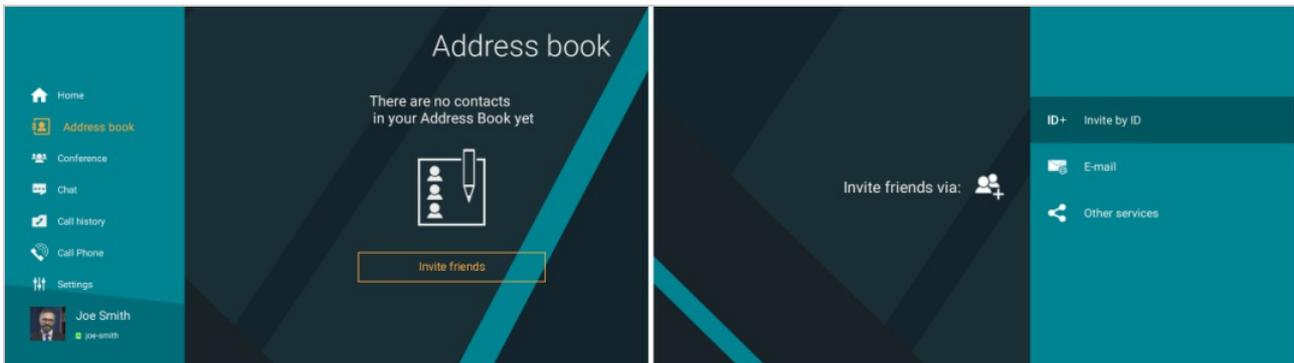
- TrueConf ID
- Status
- Optional (if specified): company's name and up to 3 phone numbers

In the user profile, you can find buttons for making a call, accessing the chat, [deleting](#) the contact from the address book and [blocking this contact](#).



2.2.4. Adding a new contact

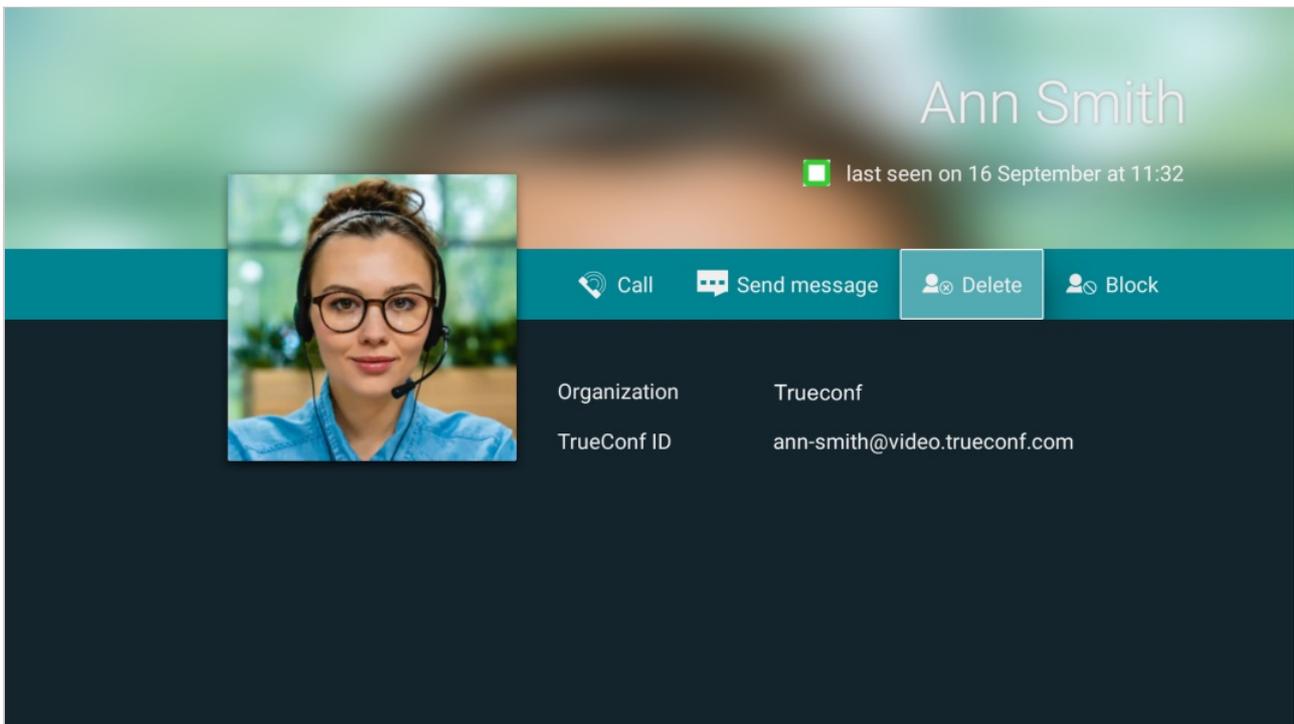
If your address book is empty, you can find a button to invite your friends and colleagues, e.g., by TrueConf ID or email:



Besides, you can add a user right [during a meeting](#).

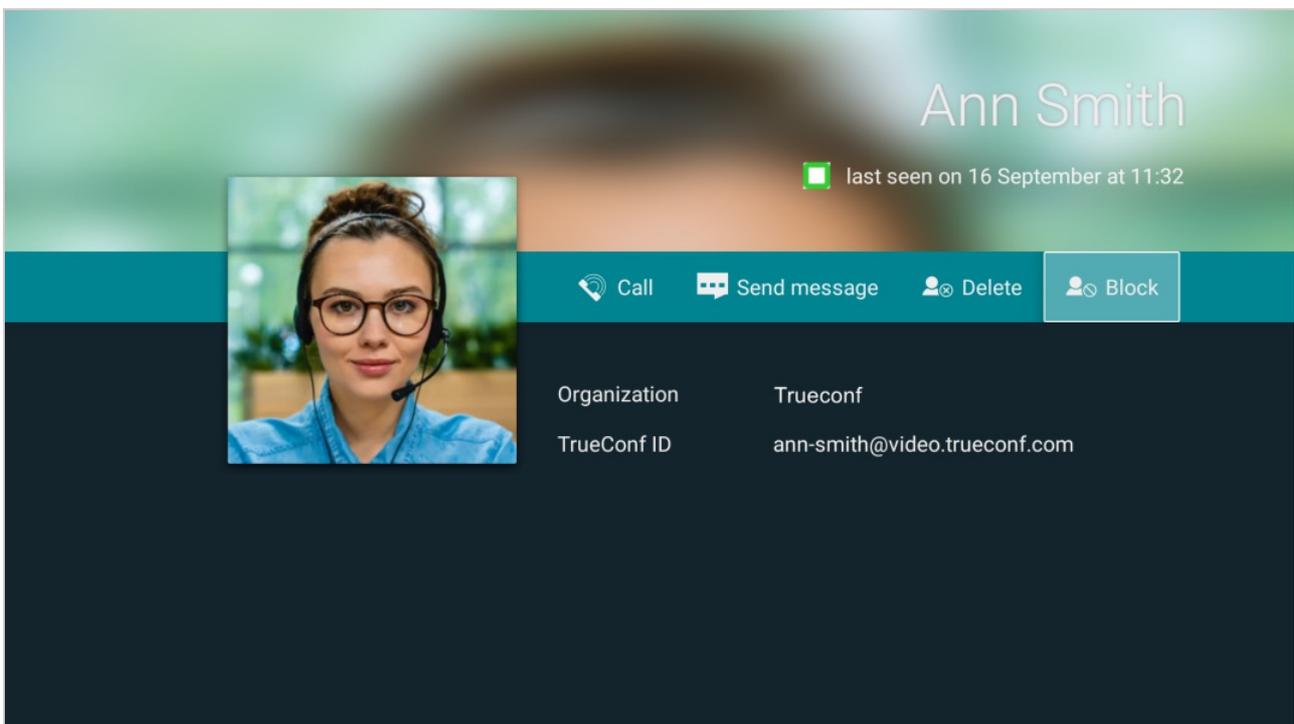
2.2.5. Deleting a contact

To delete a user from the address book, proceed to the user profile and press the corresponding button:



2.2.6. Blocking a user

Sometimes you may need to prevent some users from contacting you. To this end, you can add a user to the “black list” by pressing **Block** in their profile:



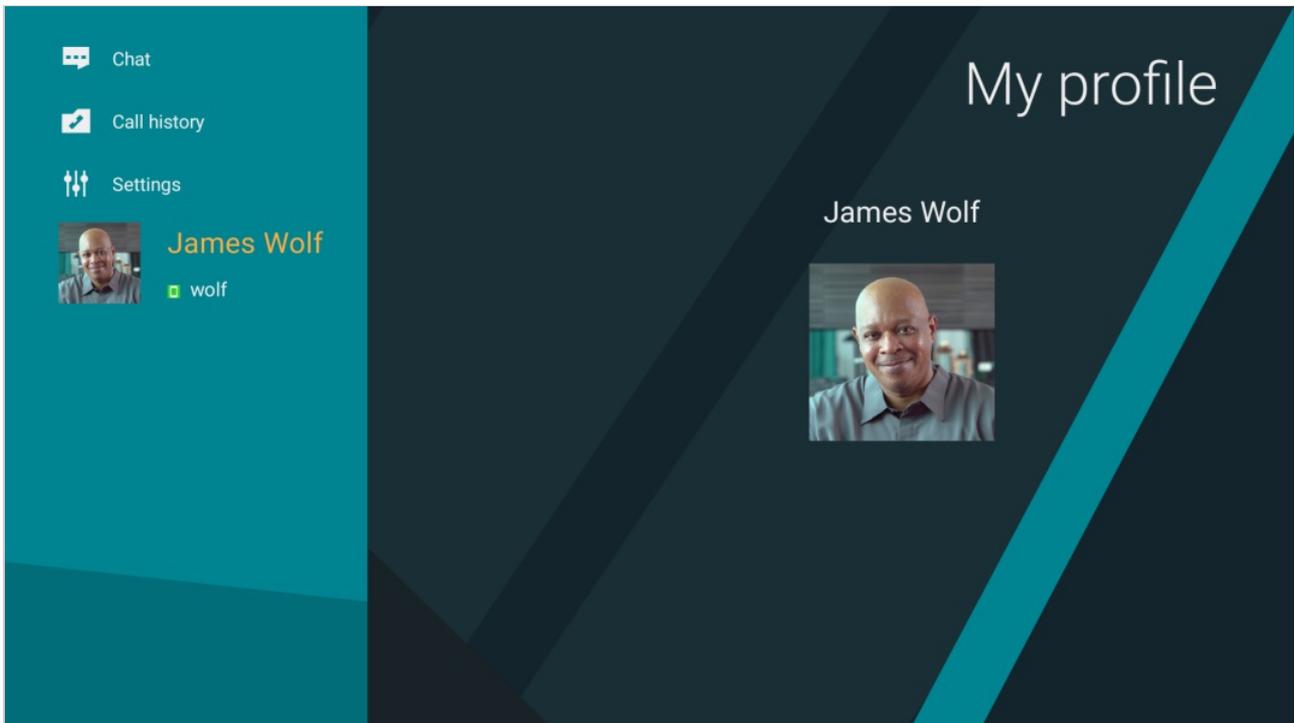
Once you’ve done this, you can see the blocked user in your address book, make calls and invite them to your conferences, but you will be unable to send messages to this user. The blocked user won’t be able to call you, invite you to conferences and send you messages. To unblock a user, press the corresponding button in the [user profile](#).

*

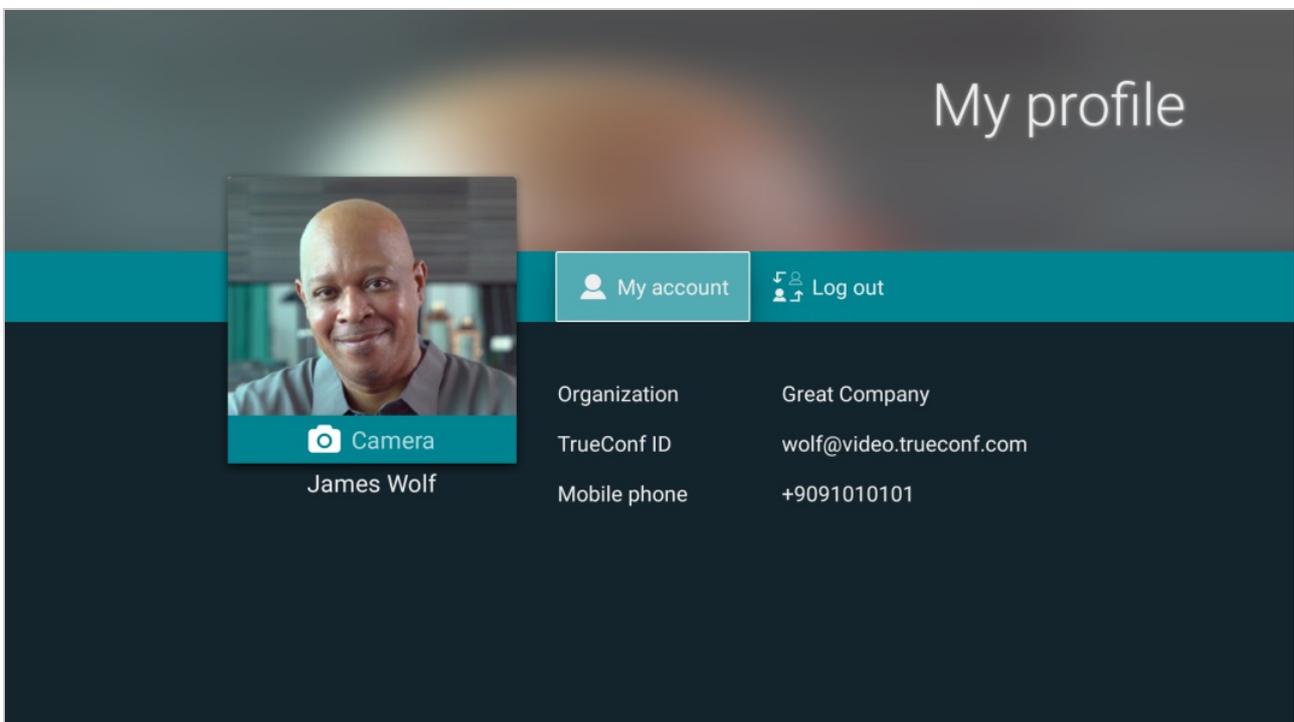
A blocked user will be displayed in the [list of blocked users](#) if you are using TrueConf client application.

2.3. Viewing your profile

If you'd like to view your personal information, proceed to the bottom of the app menu:



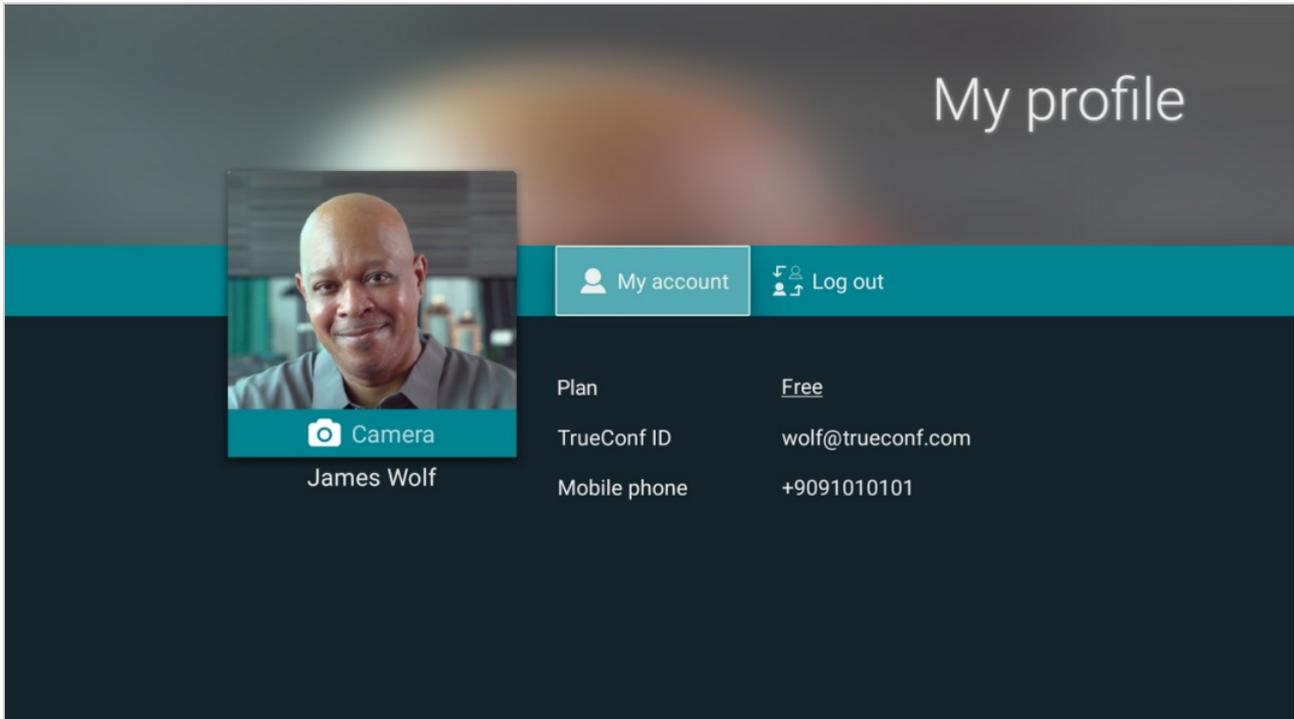
Press **OK** or use the Right Arrow on your remote control to go to your profile. If connected to TrueConf Server, you'll see your TrueConf ID, company name and phone number (if specified):



In your profile, you can:

1. Change your avatar by taking a picture with your webcam.
2. Go to your [personal area](#).
3. Switch to another user account (in this case, [login menu will open](#)).

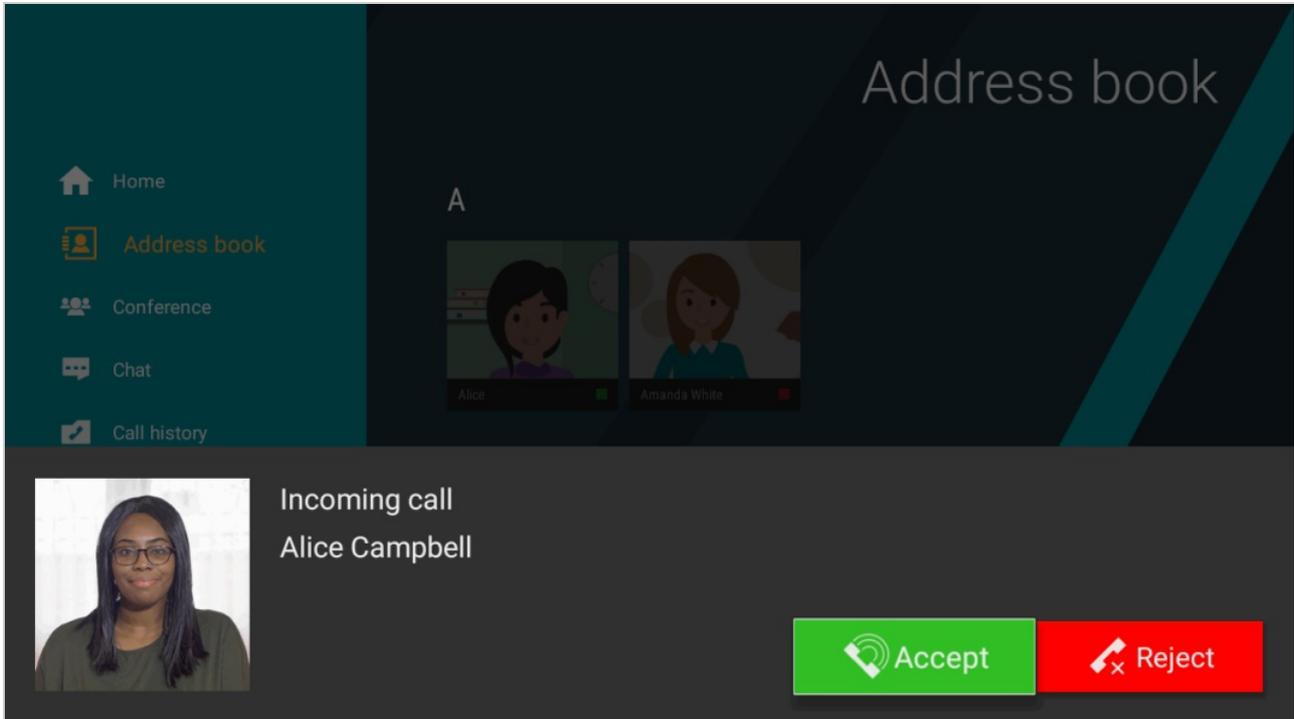
If you're a TrueConf Online user, you'll see your TrueConf ID and plan details:



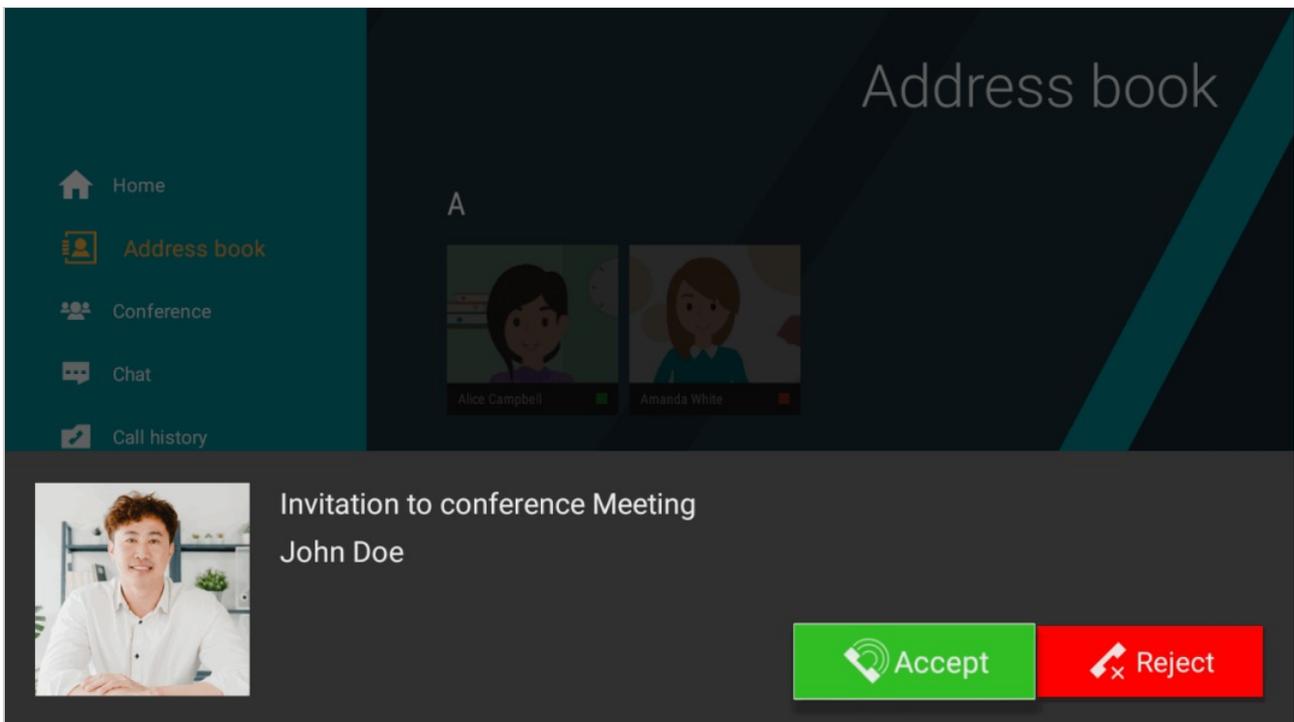
3. Calls

3.1. Incoming calls

You can receive an incoming call with caller's name information displayed while visiting any app menu section:



In a similar way, you can be invited to a video conference. In this case, you'll see the conference title:



To save the storage space, your Android TV device can unload the TrueConf app from the memory. If the Internet connection is working, you'll be able to take incoming calls and accept conference invitations, although you'll be assigned with the "Offline" status in other users' address books.

i To enable incoming app notifications in the above-mentioned situation, you need to have an Internet connection and Google services on your Android TV device.

3.2. Making a call

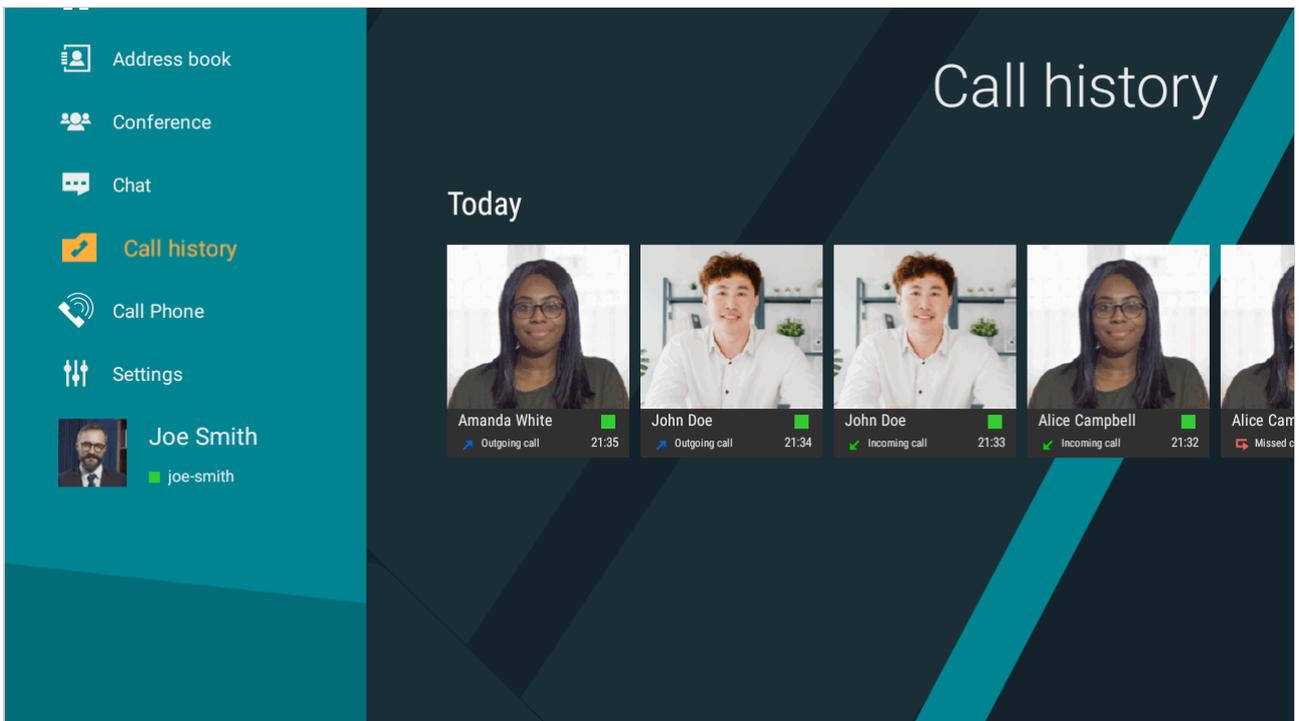
To call a user, you need to:

1. Find a user in your [address book](#).
2. View the user profile and press **Call**.
3. To end the call, use the **Back** button on the remote control or press the  button in the call menu.

During a meeting, you can use several features that are discussed below: [chat](#), [turning your camera and microphone on or off](#) and [configuration](#) of these devices.

3.3. Call history

To view your call history, choose the corresponding item in the app menu:

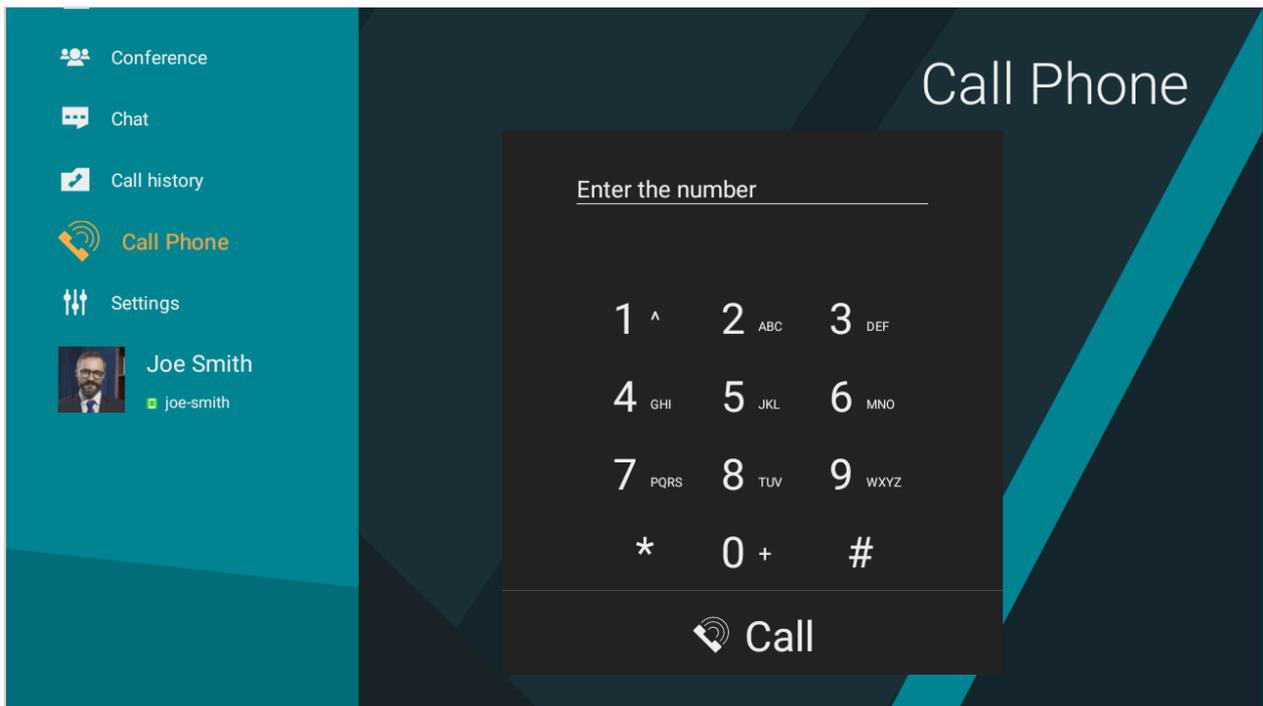


With this list, you can call a user again or re-join a conference if it's still ongoing and this user is the conference owner.

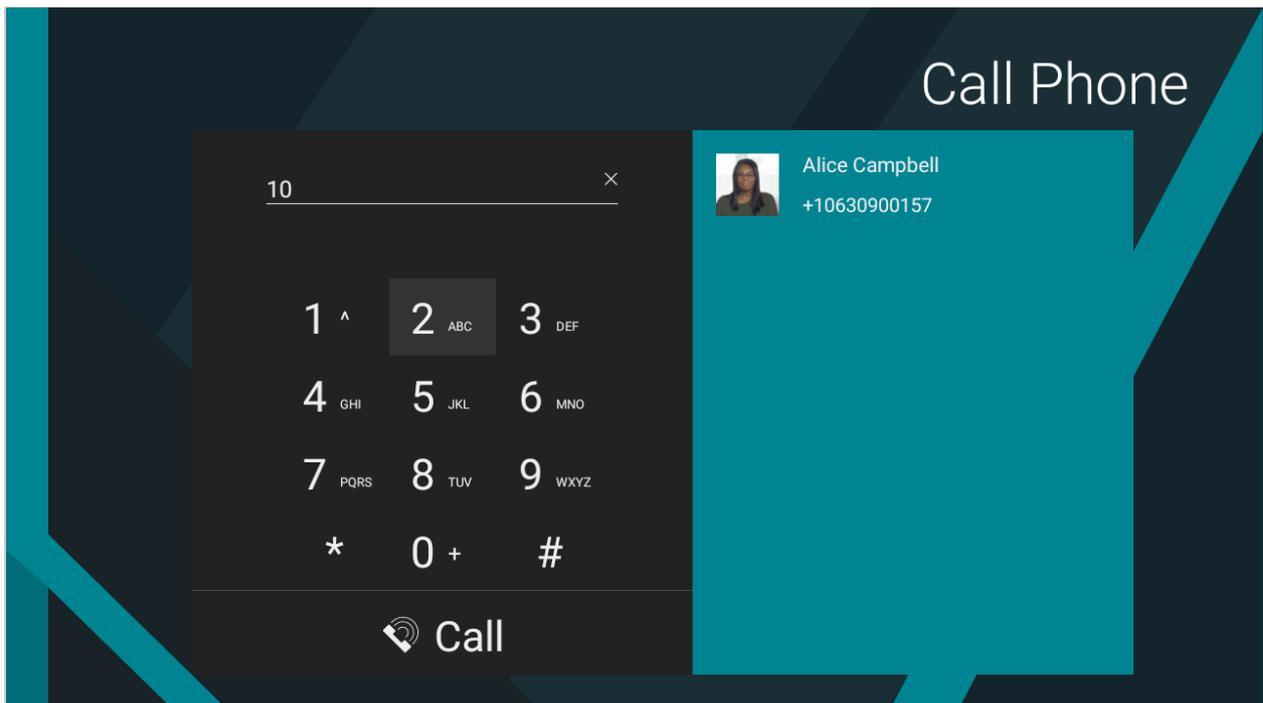
3.4. How to call a phone

To call a phone number, you need to:

1. Open the dialer from the **Call Phone** menu.



2. Dial the number using the remote control. In this case, you'll see prompted users on the right:



3. Press **Call** or go to a prompted user and press **OK** on the remote control.

4. Conferences

4.1. Joining a conference

To join a conference, you can:

- Enter its ID in the **Conference** → **Join the conference** menu.
- If the conference has already started, you can call its **owner** by finding this user in the address book (the user will be marked with a star icon ★).

During a conference, you can [turn off your camera and microphone](#), [use chat](#), and [view shared content](#).

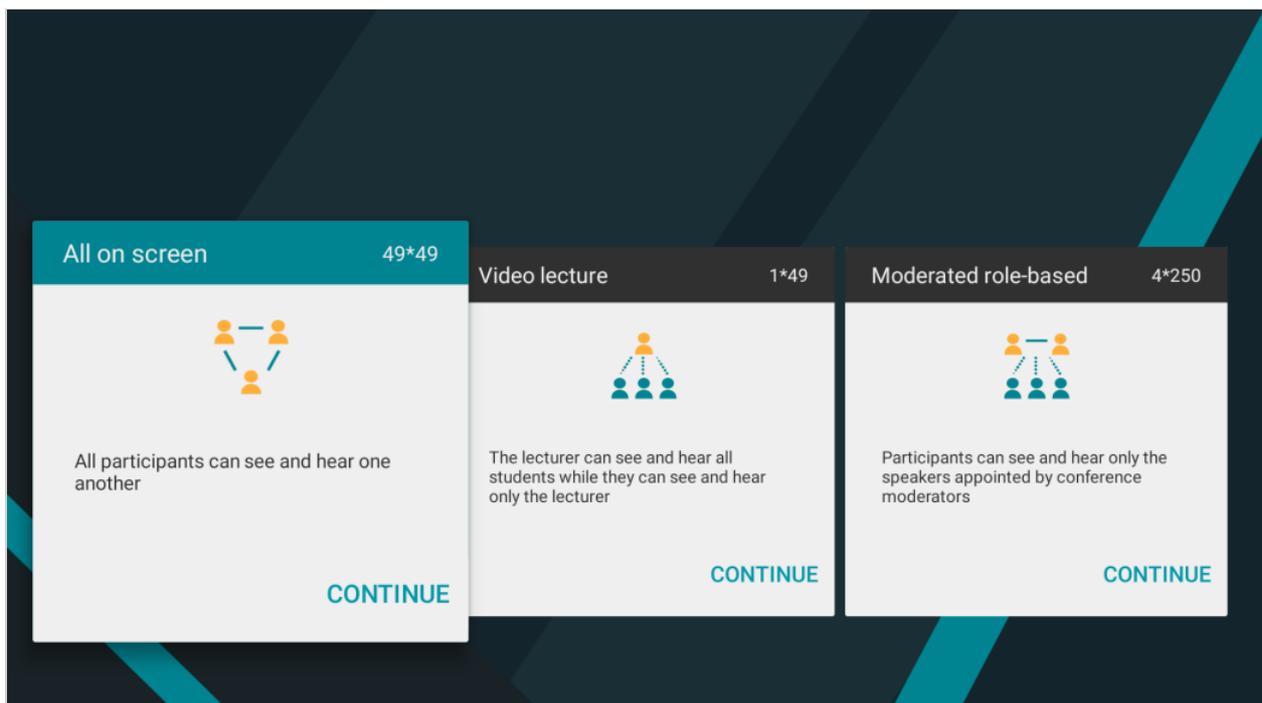
4.2. Creating a conference

In TrueConf for Android TV application, you can create three types of conferences: [all on screen](#), [video lecture](#) or [moderated role-based conference](#).

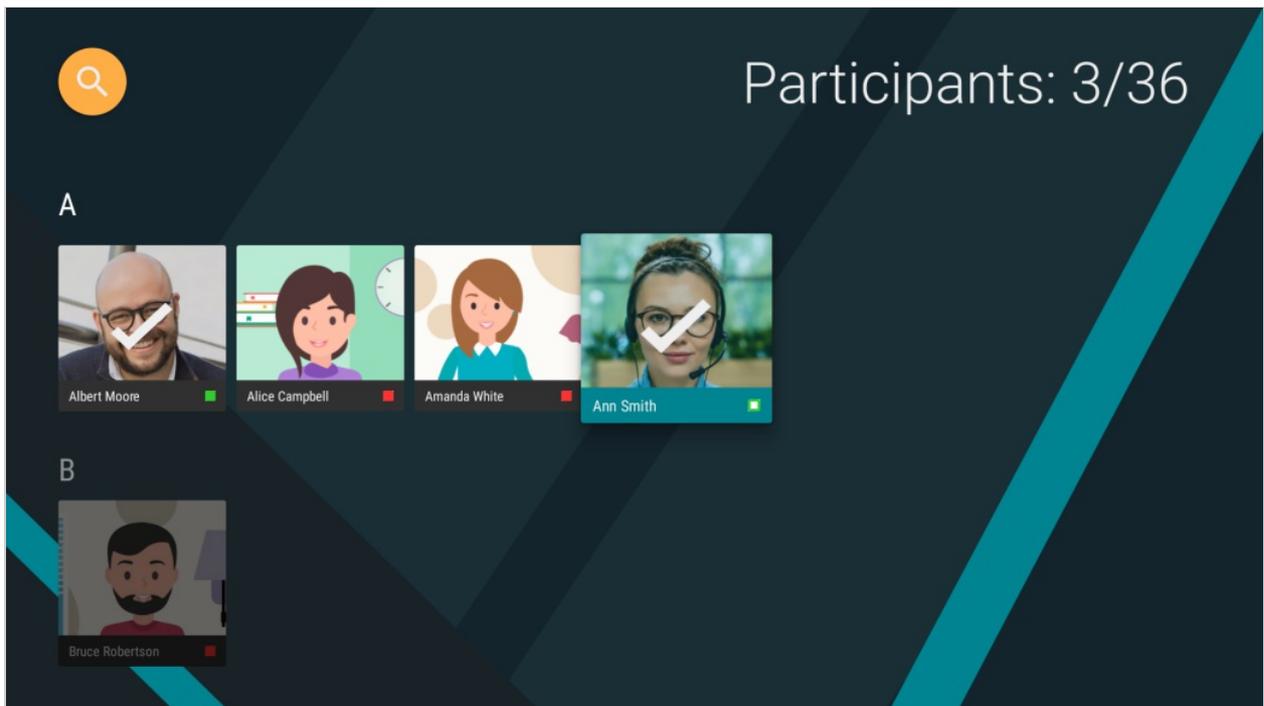
4.2.1. All on screen

Symmetric conference is a video conference during which all users can see and hear each other:

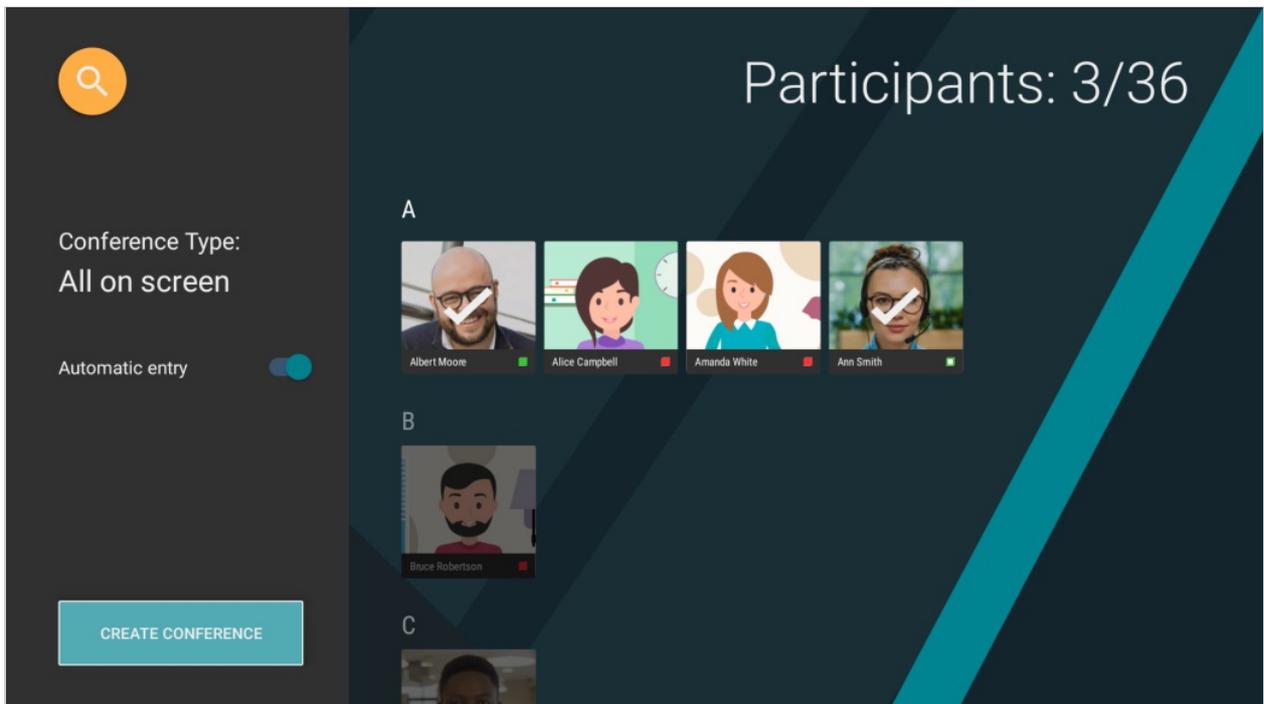
1. Go to **Conference** → **New Conference**.
2. Choose **All on screen**:



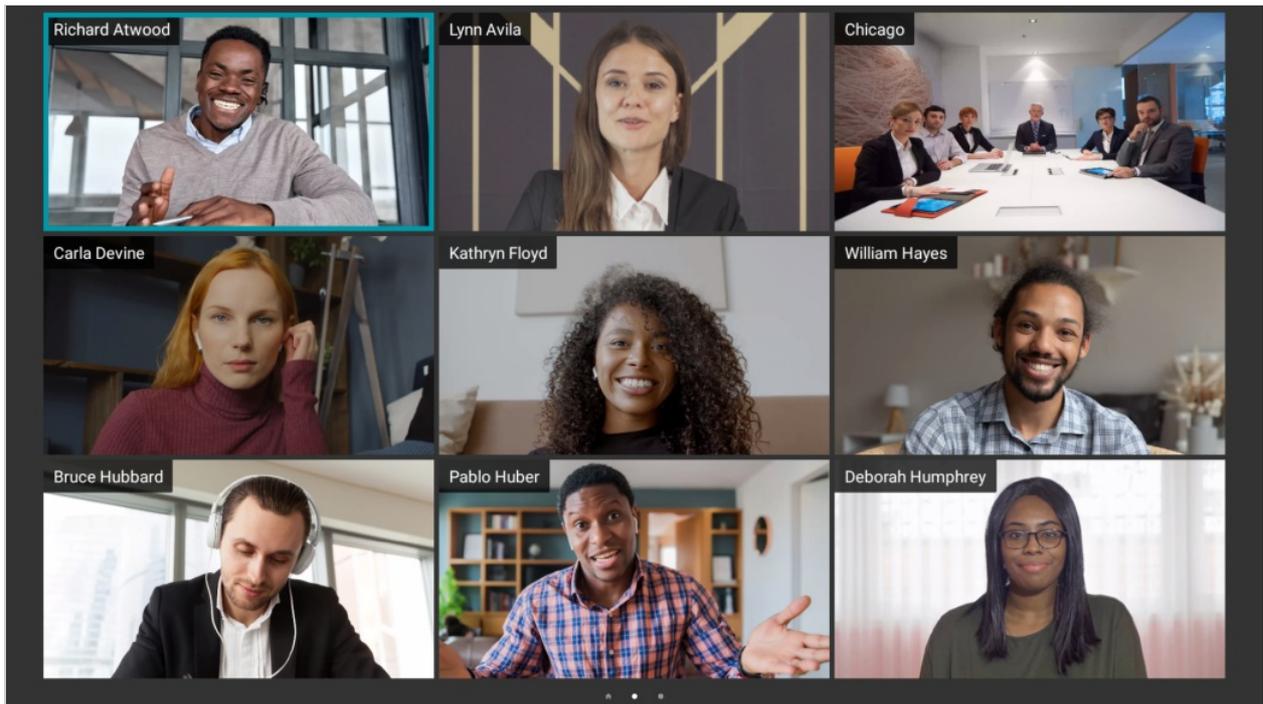
3. Select the conference participants from your address book:



4. Check the **Automatic entry** box if you would like to let a user who is willing to take part in a conference join the meeting automatically upon calling.
5. Press **Create conference**:

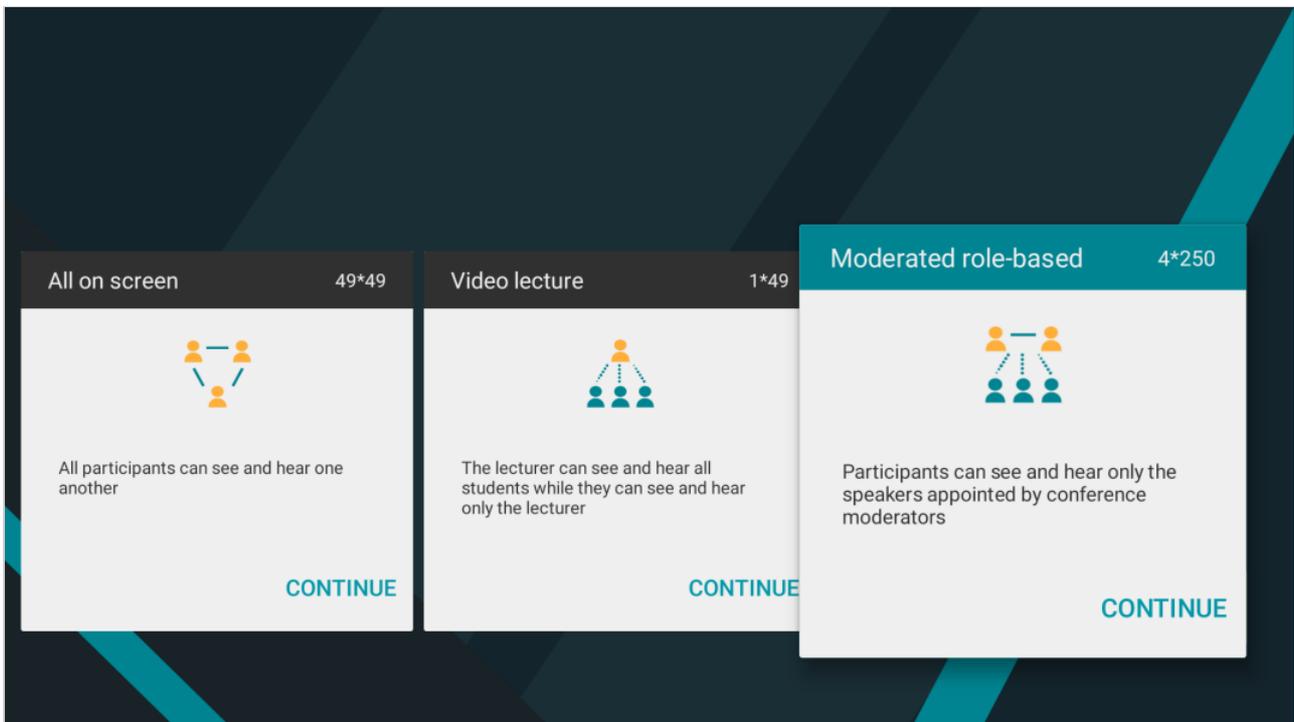


6. The conference will launch immediately, all the participants will receive an invitation:



4.2.2. Moderated role-based conference

You can create a group conference where participants have different rights and are divided into attendees and **speakers**. To start a conference, follow the steps described above and select **Moderated role-based** when choosing the conferencing mode.



4.2.3. Video lecture

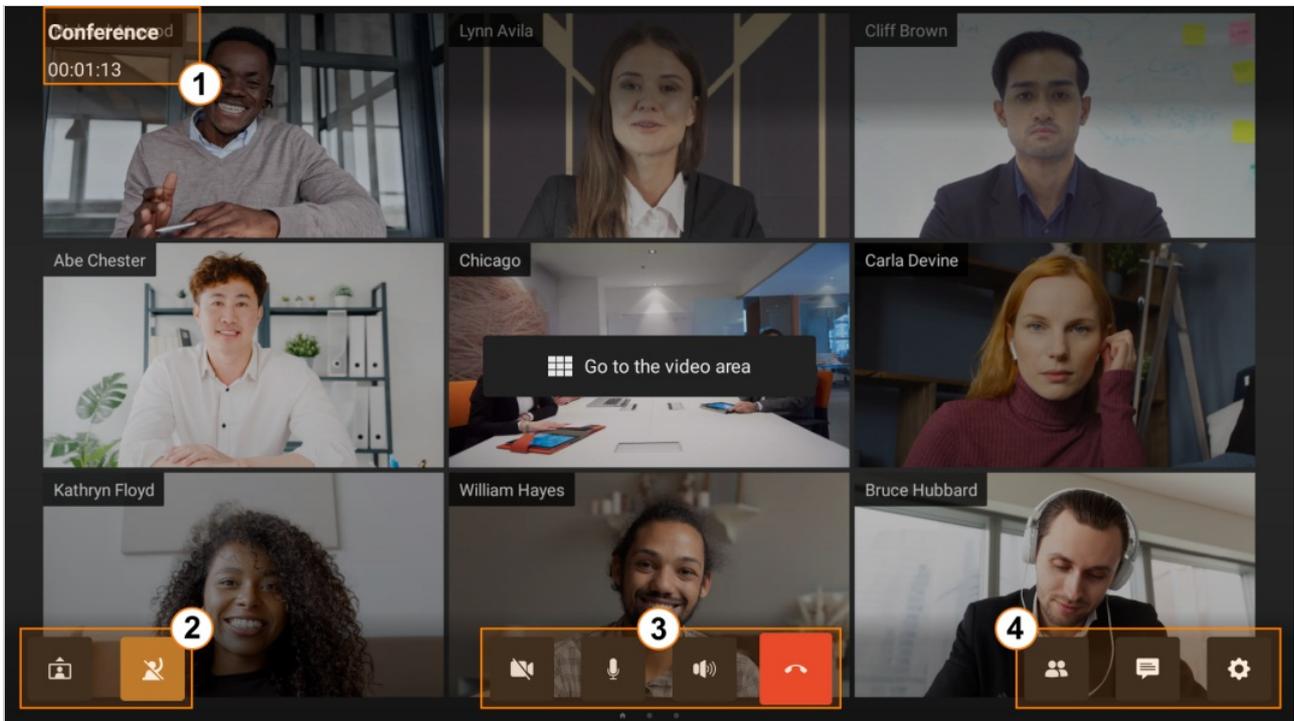
A **video lecture** can be created in the similar way. In this mode, all participants can see and hear only the speaker, while the speaker can see and hear all the participants.

5. During a call or conference

5.1. Conference window

The window of an active conference includes the following components:

1. The info bar where the name and duration of a conference is displayed.
2. [The self-view window](#) and [the button for taking the podium](#).
3. Conference management.
4. The panel leading to:
 - [conference participant list](#);
 - [conference chat](#);
 - [Device settings](#).



5.1.1. Self-view window

Click on the  button to minimize the self-view window. To display the self-view window, click on the

 window.

If your microphone is muted, you will see the icon  in the self-view window.

5.2. Participant management

During a conference, you will have access to various tools for managing participants. Some of the actions are available in the [video area](#) while others can be found in the [participant list](#).

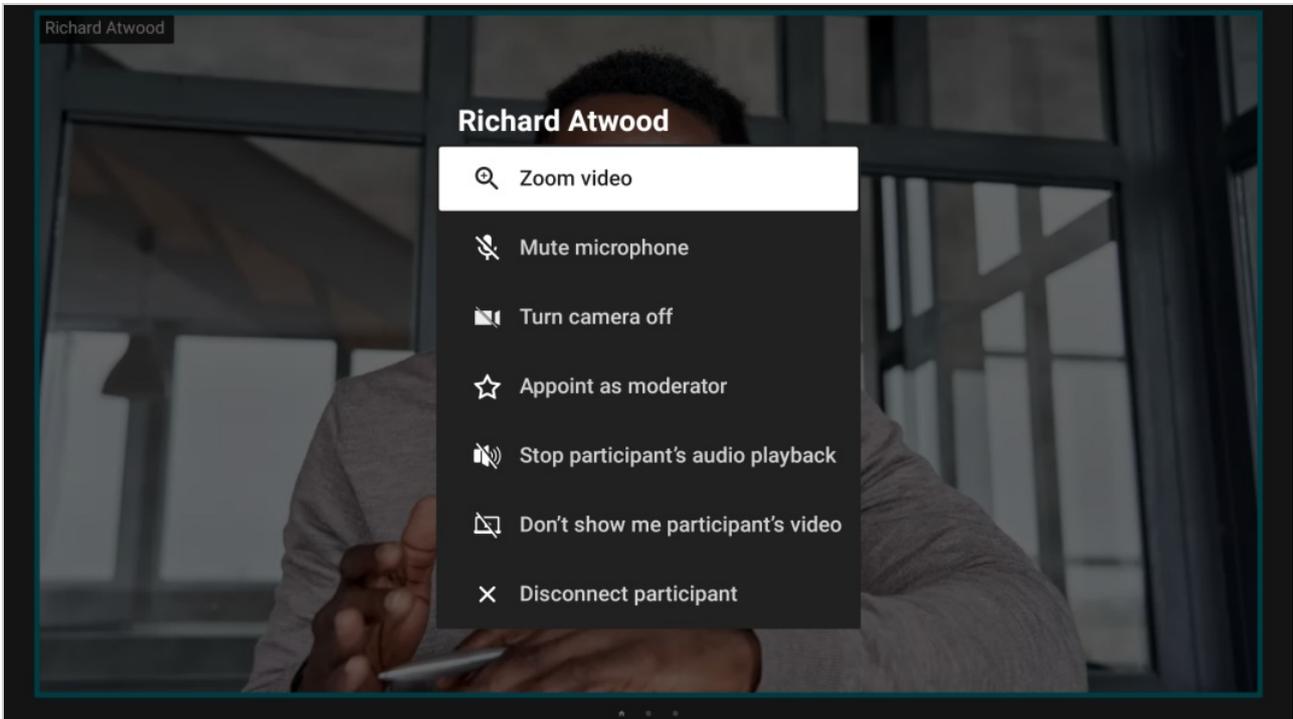
5.2.1. Video area

To open the list of available actions, use a remote control to go to the video area (where the conference layout is displayed) and select a video window. Here you can:

- Disable the reception of audio and video from a participant.

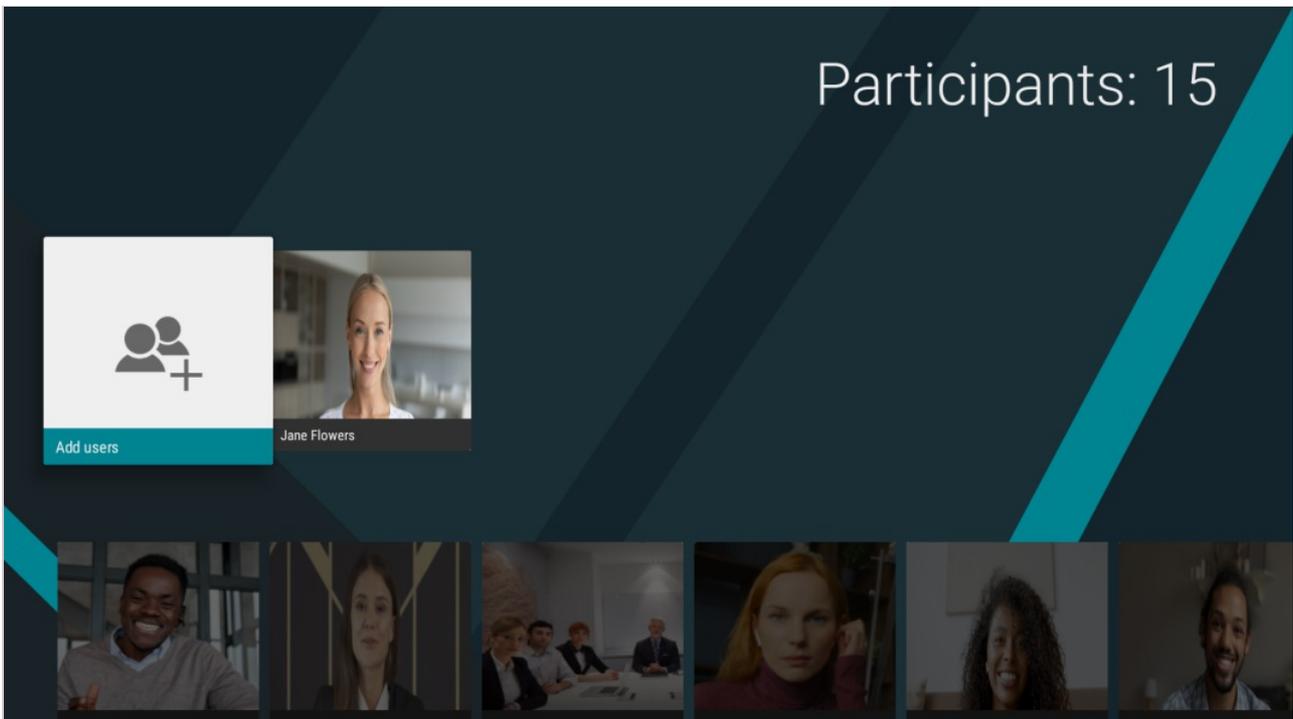
If you are a moderator, the list of possible options will be extended. You will be able to:

- Appoint a participant as a moderator
- Turn off a participant's microphone and video
- Disconnect a participant.



5.2.2. List of participants

Click on the  button to access the list of conference participants.



Here, you can:

1. Check the number of meeting participants

2. View information about a user
3. [Add a participant to the address book](#).

If you are a moderator, you can:

1. Add new participants to a conference
2. Remove a participant from the conference
3. [Invite participants to the podium and remove them from the podium](#).

5.2.3. Adding users to the address book

You can add a user to your address book right during a conference. To that end, you need to:

1. Open the list of participants in the conference menu.
2. Select a user and go to their profile.
3. Go to the **User Information** menu.
4. Press **Add**.

5.3. Device settings

5.3.1. Managing your microphone and camera

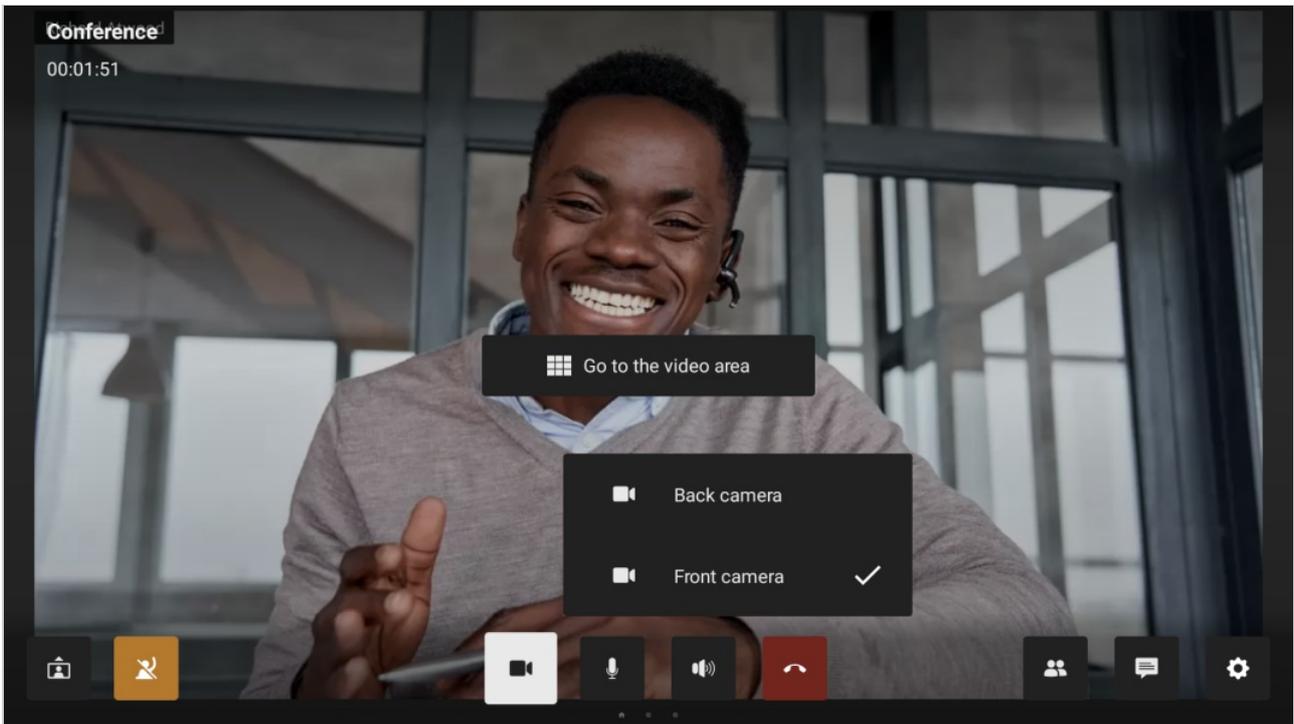
To mute your microphone:

1. During a conference, go to the menu and press the mute button .
2. The button will be crossed out .

Similarly, you can enable/disable your camera during a meeting by pressing the camera button .

5.3.2. Switching between cameras

If you have multiple webcams connected to your Android TV box, you can switch between them. To do it, press the  icon in the conference menu and choose the corresponding camera:

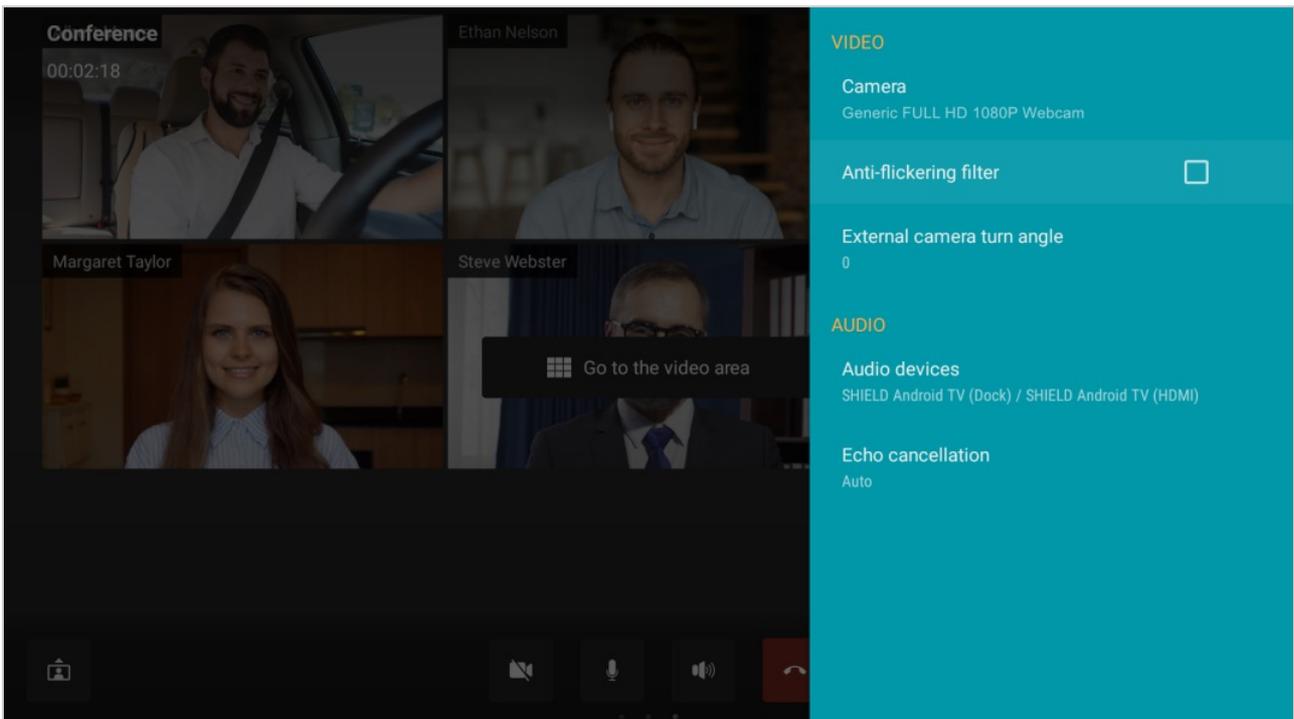


You can also do it in [additional device settings](#).

5.3.3. Additional device settings

Use the  button to go to additional device settings. Here you can:

1. Switch between cameras, microphones and speakers if you have multiple devices connected.
2. Enable automatic anti-flickering filter.
3. Change the camera angle for compatible webcams.
4. Adjust volume level.
5. Configure echo cancellation (auto, on or off).



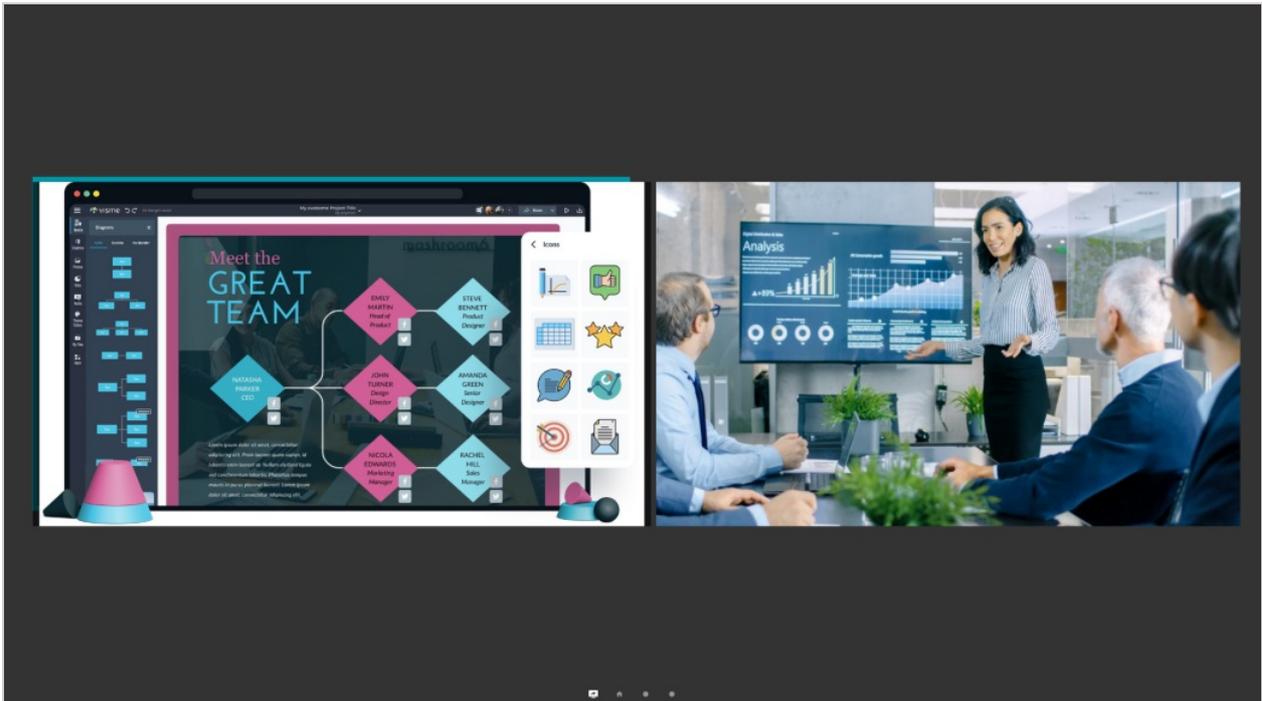
5.4. Changing layouts

The moderator of the conference that you have joined can set a layout which will be received by all participants (one can do it in the [real-time meeting management section](#)). However, TrueConf for Android TV client application will not be affected by this layout because it uses a dynamic layout supporting multi-page display of video windows.

5.4.1. How the layout is formed

The layout is formed dynamically and varies depending on the conference mode. Below, we will describe the order of windows in a moderated role-based meeting with a content window and multiple presenters:

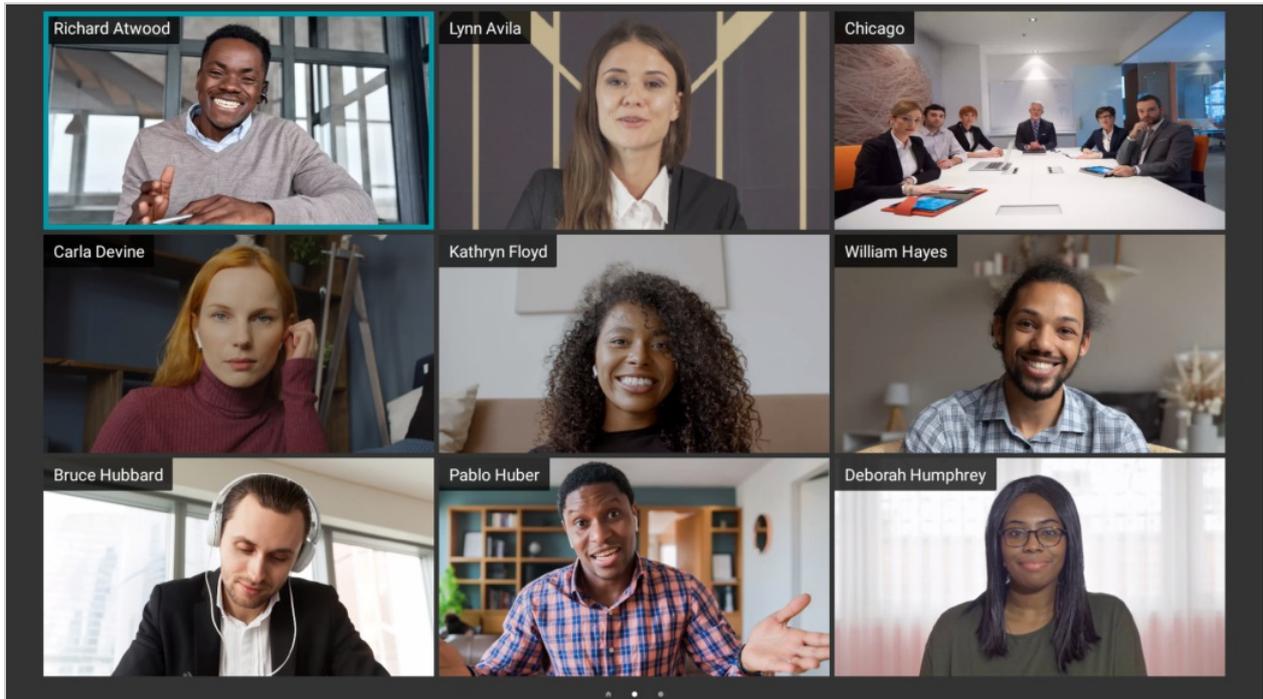
1. Slideshow or content sharing (up to 2 windows on the screen).



2. Active speaker.



3. The podium with presenters.



You can switch between windows with the help of up and down arrows on your remote control. There can be up to 4 screens with up to 9 participants on each screen. So, up to 36 video windows can be placed in the layout.

5.5. Features in a moderated role-based conference

5.5.1. How to take and leave the podium

If you are an attendee, you will see the notification **You are not now on the podium** in the lower left corner or the icon . To request the podium, click on the  button in the [meeting control panel](#).

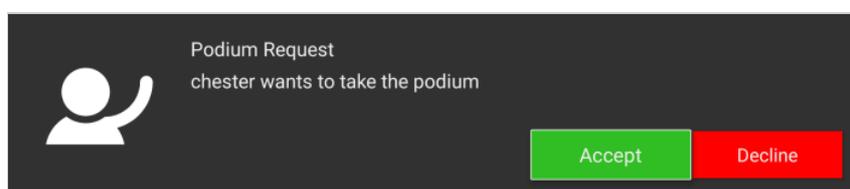
As soon as the moderator accepts your request the notification will be hidden. To leave the podium, click the  button.

i

Please note that if you have accidentally clicked on the  button, you will be automatically removed from the podium. In this case, you will have to send a podium request to the moderator once again.

5.5.2. Assigning a speaker

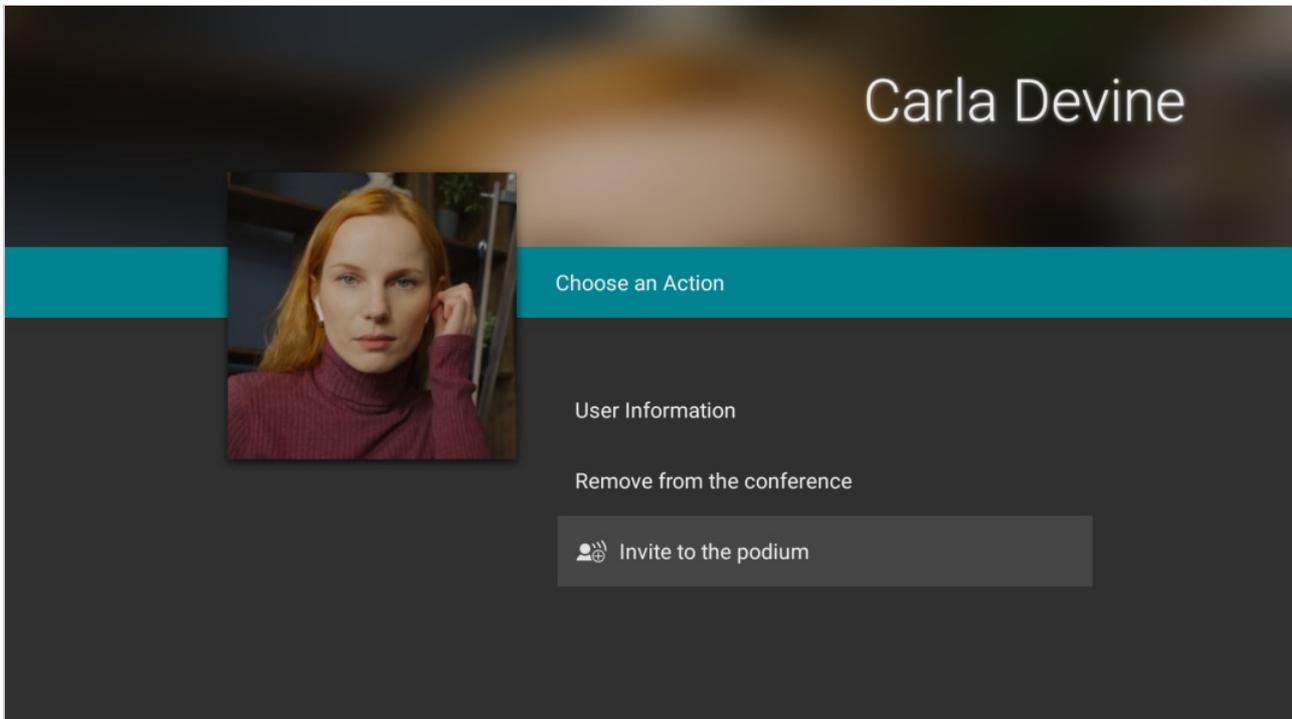
When a podium request is sent by an attendee, the moderator will receive the following notification that will be displayed in the upper part of the screen:



*

The request displayed in the upper part of the screen will be hidden in a few seconds. If you did not have time to accept it, go to the [list of conference participants](#) and take the steps described below:

If you are the moderator of a moderated role-based conference, you can invite any of the participants to the podium. To do it, go to the [list of participants](#), open the profile of a participant who you want to make a presenter and click on the **Invite to the podium** button in the opened menu.



6. Collaboration tools

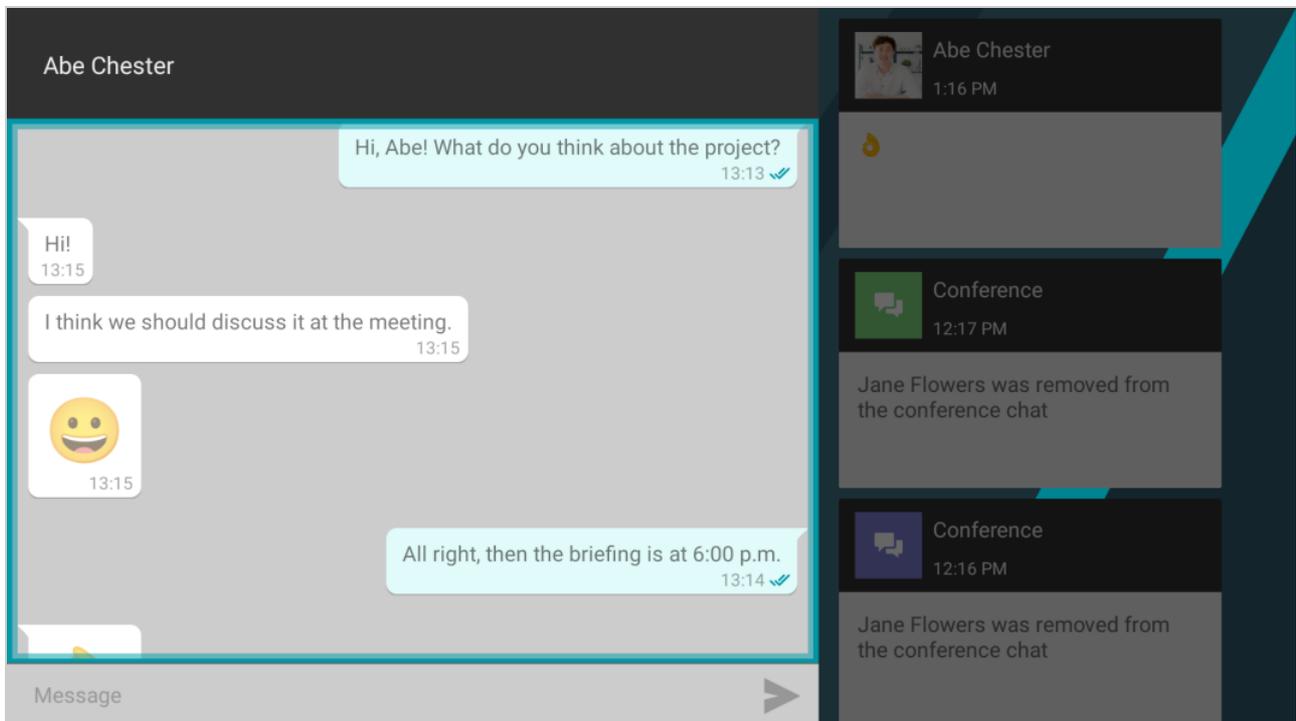
6.1. Text chat

You can exchange text messages with other users both inside and outside group conferences.

* When a user signs in on a new device, the chat history saved on the previous device will be available on the new device.

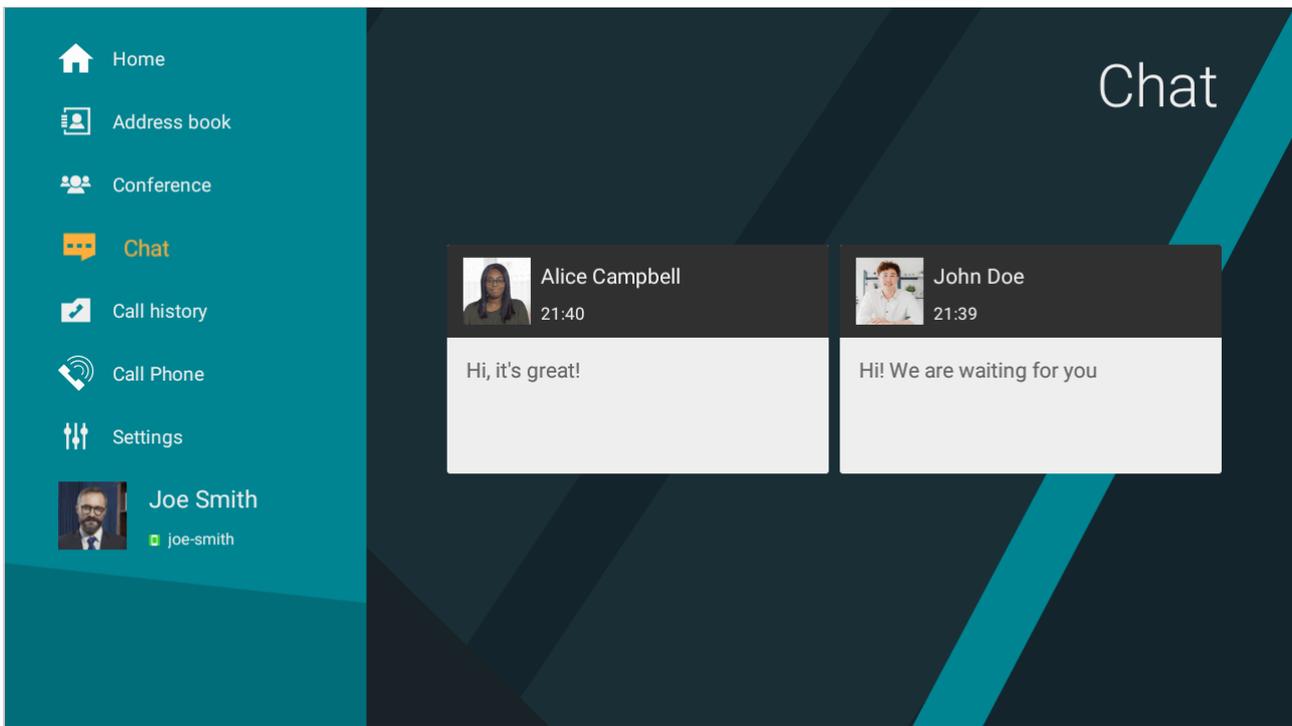
i If you connect to TrueConf Server which is below 5.0 version, the chat history will not be synced across your devices.

To start exchanging messages with any user from your address book, go to the [user profile](#) and press the **Chat** button.



The chat will be available during [calls](#) and [conferences](#). To access it, click on the  button in the meeting control panel. During a group conference, you can select either a group chat or a private chat with the selected participant.

Your chat list is available in the **Chat** app menu:



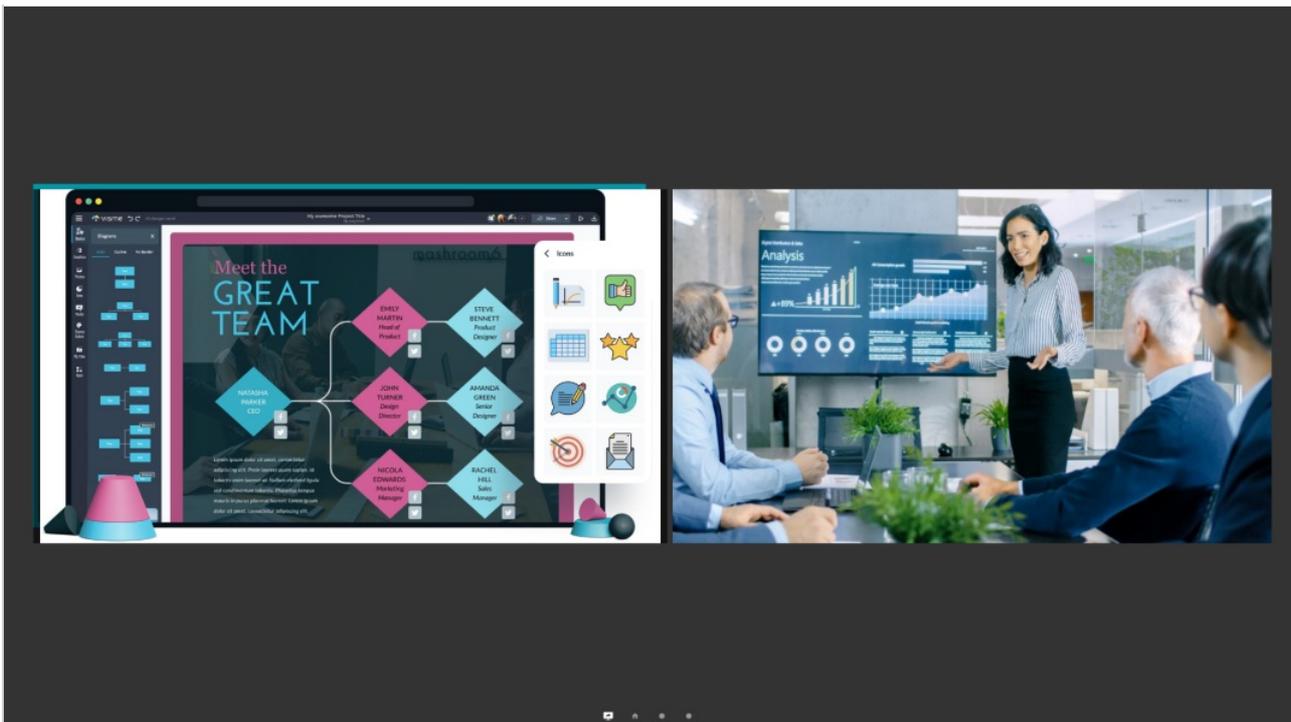
6.2. Group chat

You can also communicate in group chats outside video conferences. It is possible to create such a chat with any client application, for example, [TrueConf for Android](#).

6.3. Viewing content

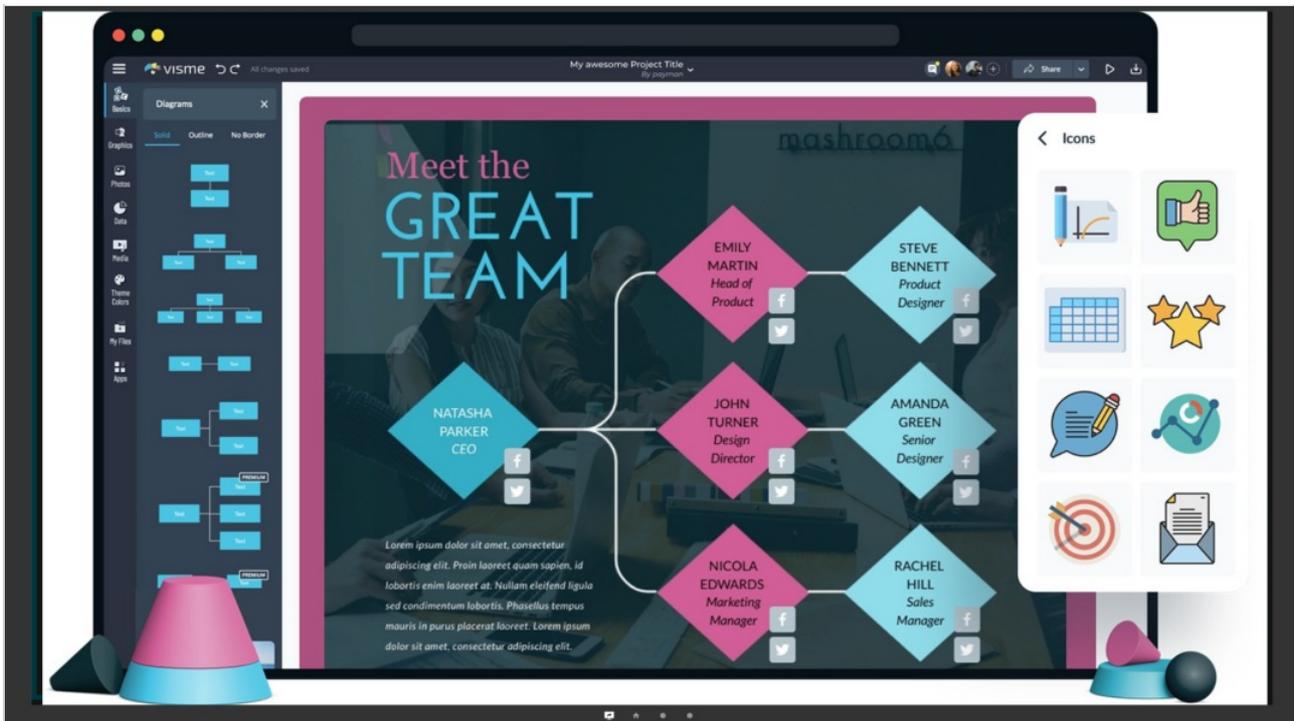
6.3.1. Content sharing by multiple participants

Two conference participants can start a slideshow at the same time. In this case, you can select and zoom a content window in the [content preview screen](#) to make sure you do not miss any details.



To zoom in an image:

1. Go to the video area
2. Select a video window with the remote control.
3. The image will be maximized to the full screen.



7. App settings

In the **Settings** app menu, you can:

1. Enable automatic app launch when the device is turned on (default setting).
2. [Switch between user accounts](#).
3. Enable receiving calls only from the users in your [address book](#).
4. Clear your [call history](#).
5. Change your ringtone.
6. Enable receiving messages only from the users in your [address book](#).
7. Delete your [chat](#) history.
8. Set the ringtone for incoming messages.
9. Route calls through the server (for [one-to-one video calls](#) hosted via the server).
10. When using TrueConf cloud service, disable address book contact syncing.
11. Set permissions for your video window to be recorded during a call or group conference. Learn more about this feature in the [TrueConf client app user guide](#).
12. Manually set the bitrate limitation for the incoming and outgoing streams.
13. Enable collecting app logs.
14. View information about your app version.

7.1. Performance mode in a conference

If your device lacks the resources needed for the proper display of video and the layout during a conference, go to **Settings** → **Performance** → **In-meeting video performance** and select the performance mode manually:

1. **Highest** — 60fps frame rate.
2. **Balanced** — 60fps frame rate.
3. **Low** — 30fps frame rate.