# Mumble: Configuring and solving issues

# Mumble installation and troubleshooting (english)

#### **Using Windows / Linux**

First the mumble client must be downloaded (be sure to download the right one for your operating system). This is possible at https://www.mumble.info /downloads/

After downloading and installing you can open Mumble and connect with the server. This works as follows:

🖞 Mumble	Server Con	nect				?	
Servername						Ping	Use
Y Fav	ourite	ai hanahura da				20	
> 🔵 Pu	🖒 Add S	erver			?	×	
	Address	mumble.cen.uni-haml	burg.de				
	Port	64738					
	Username	u123456					
	Label	mumble.cen.uni-ham	burg.de				
				ОК	Cance	el	
			Connect	Add New	Edit	C	ance
ust the U-	identifica	ation has to be ty	/ped in by yo	ou individually	! ssword":		
			y word	7 ninoale or pa	×		
<b>O</b> WI0	ng ceru	ficate of passv	voru	:			
Wrong o certain t Otherwis	ertificate his user i se abort	or password for s protected by and check your	or registere a password certificate	d user. If you please retry and usernam	u are /. ie.		
1							

1. In the windows Mumble - Connect server click on Add Server. Then transfer all data like this:

Here you type in your password that belongs to your U-identification and confirm with "OK" 3. After that your mumble should look like this:

Cancel

OK



Here you can select the different channels or type in something in the chat on the bottom left. If you join the mumble server your microphone is automatically muted, because of that you have to make sure to unmute it as soon as you want to talk to somebody!

#### Installing Mumble on android

#### (i) Attention:

The Mumble app under Android is more of a backup solution, it is best to use Mumble on a PC. There the full range of functions is available and the handling is easier. In addition, there is often an echo on the mobile phone. It is best to use a **headset** on the mobile phone as well! More about this under **Troubleshooting Android - Suppress echo**.

Through the Play Store you can download the Mumble client.



Search for **Plumble - Mumble VOIP** and download it:

۲	Plumble - M VOIP Andrew Comminos	lumble
<b>4,0 ★</b> 954 Rezension en	10.000+ Downloads	<b>⊘</b> USK ab 0 Jahren ⊙

After opening the app, make sure to give Mumble the necessary permissions (the window will open automatically the first time you open the app)



Then, copy this:



Just replace the U-identification and the Password with your own.

After adding the server by confirming the settings you can join it. Upon joining the microphone is automatically working.

# Creating a certificate

If you are asked to create a certificate, this can be done easily:

🖞 Certific	ate Management	?	×					
Certificat Authent	e Authentication icating to servers without using passwords							
Mumble disclose servers. While Mi Creating	Mumble can use certificates to authenticate with servers. Using certificates avoids passwords, meaning you don't need to disclose any password to the remote site. It also enables very easy user registration and a client side friends list independent of servers. While Mumble can work without certificates, the majority of servers will expect you to have one.							
in the us <u>certifica</u>	sers ownership of an email address. These certificates are issued by third parties. For more information see o te documentation.	ur <u>user</u>						
Currer	nt Certificate							
Name	u123456							
Email	Tirstname.iastname@uni-namburg.de							
Expiry	Date 10.04.2040 12:51							
	Automatic certificate creation							
۲	Create a new certificate							
0	Import a certificate							
0	Export current certificate							
	< Back Next >	Cano	el					

Select the bullet point "Create new certificate" and in the next window enter the name (=u-identification) and your e-mail adress.

#### Create / edit / delete temporary channels

Creating new channels on the server is pretty easy. To do this, right-click on the category under which you want to open a new channel:

Ro	ot —	
	CE	Join Channel
~	Ch	Add
Ŧ		Edit
	Ch	Remove
	Ch	Link
		Unlink
		Unlink All
		Copy URL
		Send Message

Then you can name the channel, add a short channel description (what is the channel for?) and, if necessary, apply other settings such as maximum users in the channel:

🖞 Mumble - Ad	d channel	?	×
Properties			
Name	Test		
Description	B I U 🖉 🖉 🙆		
	This is a test channel! Display Source Text		
Position	0		-
Maximum Users	Default server value		÷
	✓ Temporary		
	OK	Can	cel
✓ Test	name.lastname		

To edit the channel again or to delete it right-click on the channel. Here you can find all the options you need.

Attention: The channels are just temporary. As soon as there is no user left in the channel, it gets deleted automatically!!!

#### Adjust audio settings

Through the blue gear wheel or under configuration settings... you can change the settings e.g. for the microphone.

🖏 Mumble-Konfiguration					? ×
Audioeingabe  Audioausgabe  Benutzerinterf  Tastenkürzel  Netzwerk  Nachrichten  Plugins Overlay	Schnittstelle system WASAPI  Exklusiv Übertragung Übertragen	Gerät Echounterdrückung	Mikrofon (2- Realtek High Definition Gemischte Echounterdrückung Continuierlich	Audio)	• •
	Kompression         Qualität         Audio pro Paket         100.8 kbit/s (Audio 72.0, Position 0.0, Overhead 28.8)         Audioverarbeitung         Rauschunterdrückung         Max Vertährung				72.0 kb/s 10 ms -30 dB 9.46
Zurücksetzen Vor	RNNoise      Verschiedenes     Tonhinweise      Aktion bei Untätigkeit m einstellungen	An Von.ogg Aus Voff.ogg ach 5 0 Minu Leerlauf Aktion	ten führe ar <b>nichts •</b>	Durchsuchen Durchsuchen OK Abbrech	Vorschau Zurücksetzen en Anwenden

Here you can adjust which microphone you want to use, if the microphone is open (=always on), voice-activated or push-to-talk. Through the left column you can reach other options such as audio output.

# Recording

By clicking the red round symbol on the top you can record a conversation. The other users of the channel will get a short notification that someone is recording!



#### Deactivate / activate text-to-speech

By default Mumble reads out all error messages / system messages etc. To deactivate or reactivate this, remove the check mark (or set it if necessary) under Configuration at Text-to-Speech above.

Mumble -- 1.3.0

Server	Self	Configure	Help		
		Settings			
[11:17:3]	71 Welc	Audio Wizard			
[11:25:22] Conn hamburg.de.		Certificate Wizard			
[11:25:2]	2] Conn 2] Serve	Text-Te	o-Speech		
certificate [11:28:2	e or pas 3] Reco	Minim	al View		

# Changing the language

By default, the system language of the PC is also set as the language for the Mumble user interface. If this is to be changed, this is done via **Configuration Settings User interface** 

Mumble Configuration



Afterwards Mumble must be restarted to apply the changes.

# Troubleshooting

#### Other people can't hear me

After you have checked the usual suspects (microphone properly plugged in?) you should first look under Settings to see if the correct microphone is selected as the audio input device. In addition, you should check if push-to-talk is activated, which key is assigned for it or if (if the microphone only works by voice activation) the level is set correctly. If push-to-talk is activated, you can set the corresponding key under "Settings".

Whether the microphone itself works can be found out via "Record". Then an audio recording can be recorded and played back. The other users in the channel get a short notification that the recording is being made:



#### I can't hear the other people

First of all, check the most obvious causes here as well (are you in the right channel? correct audio output device selected?). Under *settings audio output* you can change the source for the output. If that doesn't help, check the audio settings on your PC to see if everything is set correctly. Under Windows this is e.g. under *Open Sound Settings Sound Control Panel*. This is where the default devices for audio recording and output are set. If, for example, the system sound comes from the headset, but the voice sound comes from the speakers, the headset is probably selected as the default device, but the speakers are selected as the **default communication device**. This can be easily resolved by right-clicking and then selecting correctly:

Sound					×			
Playback	Recording	Sounds	Communications					
Select a playback device below to modify its settings:								
	Headse Jabra P	et Earpho RO 9470	ne					
	Keauy		Test					
	Lenovo		Disable					
	Defaul	t (	Set as Default Dev	vice				
	Speake Realte Ready	er/	Set as Default Co	mmunication Device				
			Show Disabled De	evices				
	Speake	ers - S	Show Disconnect	ed Devices				
9	USB M Ready	ul I	Properties					

# Android - Reduce echo

If there is an echo in the Android app, this can at least be reduced. If you don't have a headset, the output sound of the mobile phone is quickly picked up by the microphone, creating an echo. The **earphone mode** can be activated under *Settings - > Audio Settings*. This should reduce the echo at least a bit.



The minimum amplitude required for voice to be detected (only applicable for voice activity).