



# **BRAVIS GmbH**

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### Introduction

Thank you for choosing BRAVIS software. This manual has been created for the various BRAVIS product editions. With the BRAVIS products, you have the opportunity to invite up to fifteen other conference participants (depending on the product line). Among other things, in addition to audio and video transmission, you can send text messages to the participants, send data to other conference participants via file transfer, plan your company strategies with the whiteboard, and make your local applications (e.g. Office documents) available to other participants via application sharing. Depending on the product variant you are using, some of the features described may not be available.

## System requirements

Your system must fulfill at least the prerequisites listed here.

#### Hardware requirements

- PC systems (Intel P4, AMD Athlon XP running at 1,6 GHz)
- 512 MB RAM or more
- Commercially-available headset
- Commercially-available Webcam

#### Software requirements

For Windows:

- Windows 2000/XP
- SP 4 (Windows 2000)
- SP 2 (Windows XP)
- DirectX 9.0c

#### Internet access

The following bandwidth is required for good transmission quality:

	Band	width	Up to x	participants		
DSL	Download	Upload*	maximum	recommended		
1000	1024	128	3	2		
2000	2048	3 192 4				
2000+	2048	384	5			
6000	6016	576	8	6		
16000	16000	800	12	8		
2SDSL	2048	2048	16	16		

\*The upload bandwidth is relevant for good transmission quality

## First start

Please make sure that your audio playback devices (headset, speakers), audio recording devices (microphone, headset), and the Webcam are connected correctly and all the manufacturers' required drivers were installed. The devices may also not be used by another program when BRAVIS is running.

After you have copied the BRAVIS software onto your PC, start the file bravis.exe with a double-click. To use the BRAVIS software, you do not have to install it. On the first start, only the set-up wizard starts. Your personal settings are stored in the BRAVIS folder, which is in the user data directory.

In most cases, you will see a security warning from the operating system or your personal firewall after the start. Confirm this warning with a click and allow the BRAVIS software to communicate. Then your BRAVIS videoconferencing software will start. NOTE:

If you have purchased a product CD, copy bravis.exe onto your local hard disk.

## **Configuration wizard**

On the first start or via the "Settings"  $\rightarrow$  "Start wizard" menu, you can open the configuration wizard. Here you can make all the basic settings that you need to use the software. These settings are stored and retained. By clicking the "Next" and "Back" buttons, you can navigate through the configuration wizards.

#### Select a profile

The first time you start BRAVIS, a standard profile (profile 1) is created with a standard address book (address book 1). Confirm this by clicking "OK". (Fig.8)

7	Profil auswählen
アレ	Profil1 (Adressbuch1) Neues Profil
	Beim nächsten Start erneut nachfragen



#### Introduction/language

Here you can select from among various languages. German is pre-set by default. To change the language, just click on the desired language. (Fig.9)

Konfigurationsassistent 🧧	×
Konfigurationsassistent       Implifying times the second se	
Zurück Nächste Abbrechen	-

#### Network

On this dialog, specify how you connect to the Internet. You can select from pre-defined typical bandwidths or make your own settings via the "User-defined" entry. (Fig.10)

onfiguratio	nsassistent				X
	Netzwerk				
6	In diesem Konfigurationsschritt können Sie di werden für die Berechnung von Qualitätspar- verfügbare Upstream ist, desto besser wird Parameterangaben führen zu einer schlechte	e Qualität Ihres : ametern wie z.B. die Qualität Ihres n Video- oder Au	Internet-Zugangs ang Videoauflösung benö versandten Videobild idioqualität.	eben. Diese Angabe tigt. Je höher der les sein. Falsche	n 🔽
7	Netzwerkverbindungsarten:				
	DSL 1000	Download:	6144	kbit/s	
	DSL 2000 + =	Upload:	512	kbit/s	
	DSL 3000				
	DSL 6000				
	DSL 16000				
	· 00				
	Erweitert Proxy				
			Zurück	Nächste	brechen
			Larder		



#### Advanced

If large data transfers (i.e. upload via FTP) take place via your Internet connection, we recommend that you reduce the share of the set upload bandwidth used by BRAVIS. With a click on "Advanced" you can set the percentage share for BRAVIS.

Furthermore, here you can change the local BRAVIS communication port (default is 5530), manage the list of STUN servers, and configure other transport options.

In order to keep the data traffic via the Internet as small as possible with several BRAVIS users on a local network, you should place a checkmark next to "Detect local networks" for the transport options. When this option is activated, local participants' video and audio data is sent only via the local network during a conference.

STUN (Simple traversal of UDP over NATs) is a simple network protocol for detecting the presence and type of firewalls and NAT routers. It should enable the uncomplicated use of devices and computer programs on home networks that would like to receive data from the Internet. The BRAVIS software connects to a STUN server and is then accessible from the Internet without having to change the settings of the firewall or router. One exception to this is the symmetrical NAT; for this, please read our FAQs (www.bravis.eu). With the help of STUN, you can also determine the currently-public IP address of your connection

#### NOTE:

If you do not know your Internet bandwidth, you can usually you can usually find this in your contract data or on your last invoice. Otherwise, please contact your Internet provider. This dialog displays the standard STUN server that the BRAVIS software uses. (Fig. 11).

Bitte füllen Sie folgende E	ingabefelder aus.	
Konfigurieren Sie den von BRA	/IS verwendbaren Anteil vom Uploar	d:
	100	Prozent
Lokalen Port (UDP) konfigurien	en	Transportoptionen
Verwende Port: 5530	Auf Vorgabe setzen	]
Liste der verwendeten STUN-S	erver	
	Eintrag hinzufügen Di we	e Server in dieser Liste erden von oben nach unten Irchgegangen, bis ein funktionierender
stun.bravis.de stun.schlund.de stun.fwdnet.net	Eintrag löschen ge mi Alle löschen er	sfunden wurde, it dem eine öffentliche Adresse mittelt werden kann.
larry.gloo.net	Auf Vorgabe setzen	
	Eintrag höher Eintrag tiefer	

#### Proxy

If you are using a HTTP/S proxy, click the "*Proxy*" button and enter the IP address and port of your proxy. (Fig.12)

_				
4	Stellen Sie hier e	inen Proxy für die Ve	erbindung mit dem Int	ernet ein.
_	HTTP-Proxy:		Port:	3128
		Diesen Proxy-Se	erver für alle Protokol	le benutzen.
	HTTPS-Proxy:		Port:	3128
1				

#### **User profile**

Your data, including first name, last name, and nickname are saved in the user profile. These details are transmitted to the conference participants. (Fig.13)

	Benutzerprofil		
	Im Benutzerpr Konferenzteiln	ofil wird Ihr Name gespeichert. Diese Angaben werden während einer Konferenz an and ehmer übermittelt.	ere
-4	Vorname:	Silva	
	Nachname:	L	
-1	Spitzname:		
-			
			bbrachan



#### Set up user account

To be available with one address easily and all over the world, you should configure your user account. For this, you can set up a contact address at our BRAVIS SIP service or use another SIP provider.

#### Create a new BRAVIS contact address

To do this, select "I want to create a BRAVIS contact address" and click "Next." (Fig. 14)



Fig. 14

Now you can enter the desired user name, e.g. max.sampleman, or you can let the program suggest an available name. The user name becomes a component of the contact address to be created. Next, please enter a personal password, repeat the password, and enter the e-mail address to which the confirmation e-mail should be sent. This e-mail will contain a link that you must click to use the BRAVIS contact address permanently. Then click *"Next."* Your BRAVIS contact address will now be created and applied. (Fig. 15)

1	BRAVIS-Kontaktadresse erstellen		
5	Um Ihre persönliche Kontaktadress Füllen Sie dazu bitte folgende Einga Benutzernamen vorschlagen zu lass	e zu erhalten, müssen Sie zuerst ein BRAVIS-Benutzerkonto erstellen. abefelder aus. Sie haben außerdem die Möglichkeit, sich sen.	2
M	Gewünschter Benutzername:	silva	
		Vorschlagen	
	Gewünschtes Kennwort:	•••••	
	Kennwort wiederholen:	•••••	
	Ihre E-Mail-Adresse:	silva@email.de	
	Hinweis: Im Anschluss erhalten Sie enthält einen Link, der für eine dau keine E-Mail erhalten sollten, wende	an Ihre E-Mail-Adresse eine Bestätigungs E-Mail. Diese erhafte Verwendung angeklickt werden muss. Falls Sie en Sie sich an den Support unter support@bravis.de	
	Bitte geben Sie hier Ihre E-Ma zugestellt.	il-Adresse ein. An diese Adresse wird Ihnen der Link zur Aktivierung	
		Zurück Nächste Abbr	eche

Import an existing BRAVIS contact address To do this, please select "I already have a BRAVIS contact address" and click "Next." (Fig. 16)



Fig. 16

Now you can enter your user name and password and click "Next." Your BRAVIS contact address will be applied. (Fig. 17)

	BRAVIS-Kontaktadres	se importieren					
5-	Bitte geben Sie Ihrer	n Benutzernamen und Ih	n Kennwort ein.			Ø	
	Benutzername:	silva					
	Kennwort:	•••••					
	Bitte geben Sie	hier das Kennwort ein,	welches Sie bei de	er Erstellung Ihres B	RAVIS-Benutze	rkontos	
	angegeben hat	ben.					

Use an existing third-party SIP address

To do this, please select "I already have a SIP address with another provider" and click "Next." (Fig. 18)



Fig. 18

Now you can enter your SIP address, your password, and the other settings (user recognition, registrar, proxy, port, and registration time) and click "Next." Your SIP address will now be used by the program. (Fig. 19)

Um einen SIP-Account eines anderen Anbieters zu konfigurieren, geben Sie Ihre SIP-Adresse und Ihr Kennwort ein. Zusätzlich vorhandene Daten können Sie in den erweiterten Einstellungen eintragen.         SIP-Adresse:       silva@ansip.net         Kennwort:       •••••••••         Im einen SIP-Account eines anderen Anbieters zu konfigurieren, geben Sie Ihre SIP-Adresse und Ihr Kennwort:       •••••••         Im einen SIP-Adresse:       silva@ansip.net         Kennwort:       ••••••••         Im eine SIP-Adresse:       silva/sip.         Benutzerkennung:       silva/sip.         Registrar:       ansip.net         Proxy:       •••••         Port:       5060         Registrierungsdauer:       600         Anmeldung testen       Im         Im site geben Sie hier nur eine Benutzerkennung ein, wenn sich diese von Ihrem Benutzernamen (der vordere Teil Ihrer SIP-Adresse) unterscheidet. Die Benutzerkennung kann bei Ihrem SIP-Provider au Autenthfäreuroga. Jung zu heinscheidet. Die Benutzerkennung kann bei Ihrem SIP-Provider au Autenthfäreuroga. Jung zu heinscheidet. Die Benutzerkennung kann bei Ihrem SIP-Provider au Autenthfäreuroga. Jung zu den heißen.	SIP-Account kor	nfiguriere	in 🕻	•
SIP-Adresse:       silva@ansip.net         Kennwort:	Um einen SIP-/ Ihr Kennwort e	Account ( in, Zusä	eines anderen Anbieters zu konfigurieren, geben Sie Ihre SIP-Adresse und zälch vorhandene Daten können Sie in den erweiterten Einstellungen eintragen	
Kennwort:       ••••••••         Image: Size Constraints       Size Constraints         Benutzerkennung:       size/size         Benutzerkennung:       size/size         Proxy:       Proxy:         Port:       5060         Registrierungsdauer:       600         Anmeldung testen       Image: Size Constraints         Image: Size Constraints       Image: Size Constrain	SIP-Adresse:	silva@a	ansip.net	
Erweiterte SIP-Einstellungen         Benutzerkennung:       siva/sipl         Registrar:       ansip.net         Proxy:	Kennwort:	•••••	••••	
Benutzerkennung:       silva/sipl         Registrar:       ansip.net         Proxy:	Erweiter	te SIP-E	nstellungen	
Registrar:       ansip.net         Proxy:	Benutzerkenn	ung:	silva/sip	
Proxy:	Registrar:		ansip.net	
Port:       5060         Registrierungsdauer:       600         Anmeldung testen       Image: Comparison of the second seco	Proxy:			
Registrierungsdauer:       600         Anmeldung testen       Image: Comparison of the second s	Port:		5060	
Anmeldung testen           Ameldung testen         Image: Comparison of the second se	Registrierungs	dauer:	600	
Bitte geben Sie hier nur eine Benutzerkennung ein, wenn sich diese von Ihrem Benutzernamen (der vordere Teil Ihrer SIP-Adresse) unterscheidet. Die Benutzerkennung kann bei Ihrem SIP-Provider au Authentfizierungs-ID, User Identification o.e. helfen.	Anmeldung t	esten	Δ	
	Bitte geb vordere T Authentif	en Sie hie Feil Ihrer fizierungs	er nur eine Benutzerkennung ein, wenn sich diese von Ihrem Benutzernamen (r SIP-Adresse) unterscheidet. Die Benutzerkennung kann bei Ihrem SIP-Provide -ID, User Identification o.a. heißen.	ler r aud

NOTE:

BRAVIS cannot guarantee functionality in connection with other SIP providers and recommends that you use a BRAVIS contact address.

#### Audio

Here you can select from a list of existing recording and playback devices. You can test the selected devices with the *"Test"* button.

Once you have selected the devices, confirm this by clicking "Next" Now you must calibrate the microphone in order to achieve high-quality voice transmission. During the calibration, your current ambient noise is measured, and during the audio transmission it is compared to your voice. Please do NOT speak during the calibration in order to achieve optimal results. (Fig. 20)

-	Audio
	0
$\sum_{i=1}^{n}$	Diese Einstellungen werden benötigt, um Ihr Aufnahme- sowie Ihre Wiedergabegeräte korrekt einzustellen.
	Wiedergabe-Einstellungen
	Gerät: Lautsprecher (8- Sennheiser USB Headset)
-	Mikrofon-Einstellungen
	Gerat: Mikrofon (8- sennheiser USB Hea    Iest
	Anschluss: Hauptlautstärke
	Zurück Nächste Abbre

#### TIP:

You can update the calibration of the ambient noise at any time. To do this, just click the appropriate button on the quick configuration in the lower part of the BRAVIS interface.

#### TIP:

The quality of the audio and video transmission can also be increased by using high-quality audio (microphone/headsets) and video devices (Webcam).

#### NOTE:

Please make sure that your audio devices and your Webcam are not used by any other program while BRAVIS is running.

#### Video

Please select a video device from the list of existing devices. Activate the *"Preview"* in order to get a preview image of your own video image. (Fig.21)

Konfiguration	sassistent				
	Video				
1	۵ 😰				
$O_{1}$	Testen Sie bitte jetzt, ob Sie eine Kamera angeschlossen haben. Falls nicht, dann führen Sie den Assisten bis zum Ende aus und beenden anschließend BRAVIS. Nach dem Sie die Kamera angeschlossen haben starten Sie BRAVIS einfach neu.				
	Gerät: DirectShow: Live! Cam Voice #4				
Mit Hilfe der Videovorschau können Sie Ihre Kamera-Einstellungen testen. Wenn Sie Ihr Kamerabild im Vorschaufenster sehen können, sind Ihre Videoeinstellungen korrekt.					
	Zurück Nächste Abbrechen				



#### Save settings

Confirm and save the settings you have just made by clicking "Finish" You have now just completed the configuration wizard and made all settings necessary to participate in a videoconference or to start your own videoconference. (Fig. 22)



## Activate the software

When you start BRAVIS for the first time, you must activate the software. You do this by entering the license key included with the software. To enter the license key, click *"Activate software."* 

If you have a BRAVIS license key and you have clicked "Activate software," the activation window will open. Enter your license key here and confirm it by clicking "Activate." After the input and successful checking of the license key, a confirmation window will indicate that you have activated your BRAVIS version. For this, a connection to the HTTPS port (port 443) through your firewall must be permitted or via the configured proxy. (Fig. 23)



#### Fig.23

If you do not have a license key (demo download), you can click "*Visit online shop*" to purchase a BRAVIS license or after expiration of the waiting period (10 sec.), you can start the demo mode by clicking "*Try BRAVIS*." If you start BRAVIS in demo mode, the application closes after a 10-minute test period and you have to start the software again in demo mode. The countdown for the test period is displayed for you in a separate window. You can repeat this process as often as you wish.

## Help

If you have problems configuring the BRAVIS videoconferencing system, please read our FAQs on the Internet at http://www.bravis.eu or use our forum http://forum.bravis.eu.

## About BRAVIS

#### **BRAVIS videoconferencing systems**

BRAVIS is an innovative multi-participant videoconferencing system for closed groups on the Internet. It requires no central conferencing server. BRAVIS is a desktop system that allows you to start conferences from your workplace spontaneously using a workstation or PC. It was designed especially for consultations, discussions, and meetings of groups between 2 and approx. 16 people (depending on the BRAVIS version).

The closed nature of the group is assured by the signaling. Thus closed meetings like the ones that are a part of our daily lives can be replicated via the Internet. BRAVIS systems unite the advantages of various videoconferencing systems. Their functions include moderation, whiteboard, application sharing, and file transfer. No special knowledge is required to install and operate BRAVIS. No additional hardware is required except for a Webcam and headset.

	Galaxee	Gamer	Professional	Enterprise*
available	•	•	•	
Participants	6	10	8 - 16	16
Closed group	$\checkmark$	×	✓	$\checkmark$
Participant deselection	✓	~	~	✓
Chat	$\checkmark$	<ul> <li>Image: A second s</li></ul>	$\checkmark$	<ul><li>✓</li></ul>
File transfer	~	~	✓	~
Moderation		<ul> <li>Image: A second s</li></ul>	✓	1
Whiteboard/Strategy board		~	~	~
Application sharing			✓	$\checkmark$
Security**				~
Manual	₹	1	72 😒	🔁 🧇
Support	Forum	Forum	E-mail / SLA***	SLA***

#### **Product lines**

\* Early 2008

- \*\* through patented encryption &
- \*\*\* Service Level Agreement, which involves additional costs

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