# SHEET METAL CENTER Plus



Installation Instructions Help for Users



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# Foreword

These days most programs are installed by hassle-free installers. This usually applies to programs intended for use on a single computer, meaning the program can align itself to the local settings, operating system and processing capabilities of that machine.

The installation of programs which must work on a network is a little trickier, as there is much more to take into consideration – you must take care not to interfere with any existing systems, and not to risk the network's security. The most important things to work with are the settings, access rights and firewalls.

# Introduction

AV32 is SHEET METAL CENTER Plus's order management system. The program works from a central database, meaning you will require a database server. You will require a Microsoft® SQL server. For this task this can be run as a local application or on the network server.

The installation and maintenance of such a server is a task for your network administrator. Microsoft® offers detailed help on this process for all users through their internet support pages. Any problems which do arise are usually due to incompatibilities between your server and operating system, e.g. in terms of the settings, and access rights of both. An administrator should be able to help you find the problem, or if you have none then there are many online forums where help can be found – it is almost certain someone out there has had the same error message as you before, so it's worth a web search.

If you are connecting to an existing server, you will need the access codes from your database manager. He will also be able to help you with the settings and access rights you will need – he may have to open access up to you.

If you do not have such a server you will need to install one on the computer. The necessary applications can be found on the CD. Installing from the CD automatically provides the correct settings for AV32.

The following illustration shows the relationships between the database server, SQL server and your users.



TCP/IP protocolls are used to interact between the intances. This should be considered for the protocol selection during installation!

If you have a network dongle you must also ensure the correct number of licenses is present – you will find more info on this under "Requirements".





# Installation

## **System Requirements**

To successfully install the program, your hardware must meet the minimum system requirements. The operating system supported is Windows® 7 – 32bit system. For 64-bit systems, components of Microsoft ® SQL Server are not or only partially supported. These executable components for server 2008 and 2012 must be put together individually (download from manufacturer) and be installed.

We recommend a minimum of 512Mb memory and 1Gb free hard drive space. The aforementioned operating systems meet the first requirement for installing this software – they both have the Windows Installer. If you do not have the Installer, you will need to install it from the CD. You will find the program on the CD in the folder Tools.







### Setup

Place the CD in your computer and the setup procedure will begin automatically. You will be kept up to date with an overview of the current procedure.

If you do not yet have an MS SQL server to save your database to, then this must be your first step. Run "MS SQL Server 2008 Express R2" from the CD. Microsoft's .NET framework must already be installed!

Do you need to install it later, just follow the prompts during installation. Confirm each line with a return  $\mathfrak{P}$ .

#### Installing an SQL Server

The SQL Server is available in different versions. Select the default install the 'Microsoft SQL Server 2008 R2 Express'. Start installation.



All files will be extracted and installed – this can take a while, so please be patient. Some setup dialogs appear.







- 🗆 🗵 Funktionsauswah Alles auswählen Auswahl aufheben < Zurück Weiter > Abbrechen Hilfe 🚼 SQL Server 2008 R2-Setup - 0 × Instanzkonfiguration SOLEXT SOLEX s: C:\Program Files (x86)\Wicrosoft SQL Ser < Zurück Weiter > Abbrechen Hilfe 🚼 SQL Server 2008 R2-Setup - 0 × Datenbankmodulkonfiguration elung Datenve Geben Sie den Au Aktuellen Benutzer hinzufügen Hinzufügen... Entfernen < Zurück Weiter > Ab hen SQL Server 2008 R2-Setup Fehlerberichterstellung Windows- und SQL Server-Fehlerberichte an Microsoft oder Diese Einstellung gilt nur für Dienste ohne Benutzereingriff. < Zurück Weiter > Abbrechen Hilfe

Installation of the required functions. Click 'Next'  $\ensuremath{\mathfrak{P}}$ 

Configuration of the instance. Enter here possibly a unique instance for your computer. Click 'Next' 3>

Here you determine how you want to authenticate for the database accesses on the SQL server. The default setting for a local installation is the 'Windows Authentication'. Click 'Next' 予

Here you can allow the SQL server to send error reports to Microsoft. Click 'Next' 작





SQL Server 2008 R2-Setup				
Serverkonfiguration				
Geben Sie die Dienstkonten und die	a Sortierungskonfiguration an.			
Setupunterstutungregeh Funktionsummät Instatistionregeh Instatistionregeh Enforterliche Speckerpitat Serverkonfiguration Datestantensätistingraation Feliekerehtenstutututu Konfigurationregeh für die Instaliation Instaliationstatutu Abgeschlossen	Derationten Sorterung Microsoft empfleht die Verwe Danst Sog-Sorver Babbase Ergne Sog-Sorver Bronser	endung eines separaten Kontos f Kontoname Int Aufhörstry Vertwo Int Aufhörstry Vertwo Gleiches Ko	ikrjeden SQL Server-D ikennwort R S onto für alle SQL Serv	Nenst. Starttyp Automatisch ¥ Deaktiviert ¥ er-Dienste verwenden
		< <u>Z</u> urück	<u>W</u> eiter > Ab	bbrechen Hilfe
2 SQL Server 2008 R2-Setup Installationsstatus		< Zurück	Weiter > Ab	sbrechen Hilfe
SQL Server 2008 R2-Setup Installationsstatus Setupunterstütungnegeln Freidensonsumb Erfordenkber Specherpistz Berekonfiguation Setuberlandulunguration Teiteberichterstellung Konfiguationegeln Teiteberichterstellung Konfiguationegeln Teiteberichterstellung Konfiguationegeln Teiteberichterstellung Konfiguationegeln Teiteberichterstellung Konfiguationegeln Teiteberichterstellung Konfiguationegeln Teiteberichterstellung Konfiguationegeln Konfiguati	Instal_Webson08_Coul2_Action	< <u>Zuruck</u>	where > At	

Installation of the server. If you have multiple servers to choose from, you can install the Server Browser here. Click 'Next' ຈ

Installation will be done. You can track the installation progress on the progress bar. Click 'Next'  $\xrightarrow{P}$ 

SQL Server 2008 R2-Setup	
Abgeschlossen	
Die SQL Server 2008 R2-Installation	wurde erfolgreich abgeschlossen.
Setupunterskitzungeregen Funktionsuumäh Instantäuterun opsin Instantönfügunation Enforderliche Specifierprätz Serrekröfigunation Daterbarkmodukonfigunation Präcebarkinstellung Konfigunationregen für die Installation Installationstatus Abgeschlossen	Die Zusammenfassungsprotokollidateiwurde an dem folgenden Speicheront gespeichert: CUProzem Filter GelSMitroedt SOL Striver 1805stue Beststraelue (2015542) 14225356 C. 20155421 142253506 Einformationen zum Setupvorgang oder zu möglichen nächsten Schritten: Die SQL Server 2008 R2-3rstallation wurde erfolgreich abgeschlossen.
	Questificité la formationen:           De folgenden Hinveise getten rur für dese SQL Server-Version.           Annone SQL Server-Version.           Informationen darüber, wie Sie mithilfe von Morosoft Update Updates für SQL Server 2008 R2 emittieh, finden Bis auf der Morosoft Update-Heibent unter <u>tripul/own morosift-confinitie/Linid-108092</u> .           Bespiele           Bespiele
	Schließen Hilfe

The necessary components will be installed automatically. The setup dialog box details progress.

Done!

Now you have an SQL server on your computer and can begin installing AV32.







## **Installing AV32**

IBE Software GmbH, Wilhelmsha	n			×
IBE Software Setup	Update: 21.0	04.2015	IB	SOFTWARE
Product line		ø	•	
BLECHCENTER	BLECHCENTER AV32 Job Installs the BLECHCENTER job mana	o management system agement system	Install	Ē
	Infos for the installation of AV32	AV32	Display	9
	New functions in AV32 Starts the Adobe Acrobat Reader (a	av32_xx.pdf)	Start	€
	New funktionen in AV32 du Starts the Windows Explorer	ring the last years	Start	€
	Install the j	job management system (AV32).		



Start installation - continue P>

Select target folder - continue Pb





El Echrospiter A/32 Lob Inchagomont cycloin         Please select, where shortcuts should be created:         Shortcut name         AV32 Job management         If On the desktop         In Instar men         In Vograms         In Be Software         In the Quick Launch bar	Select required shortcuts – continue ₹
Tin Autostart	All settings are done -
All properties are entered Select 'Finish' to complete the installation	Finish <sup>®</sup> ↓ Installation starts.
Emish       Cancel         EX       Software Cmb4t, Withelmshaven       X         Installation finished       Installation finished       Installation finished         761 Files successfully copied       Shortcut on the Desktop. AV32 Job management       Shortcut in the program folder: IBE Software         The application was released in the Windows Firewall: AV32 EXE       Deinstallation shortcut created IBE AV32 Job Management         Registering of the program with REGSERVER successfully       C'liBE-Software/AV32V32/Lob/monet/AU32/Lo	Installation finished - continue ு Done!

The installer will place a shortcut on your desktop, you can rename this as required.





# First Start



# **Copy Protection**

AV32 is dongle-protected licensed software. For unlimited use of this software you will need a dongle at your workstation, or a network dongle. The software checks for the license dongle at start-up and at intervals throughout your session. If you wish to purchase optional add-ons for this program you may add these to your dongle using IBE's licensing software, or at a registered dealer's. You must install the dongle driver before your first attempt to use this software. Your dongle will be authorized using a code generated by IBE or your local authorized IBE dealer. The IBE-Dongle has its own document, have a look there for further information.

# Booting Up

The program will create ties to the SQL server when it is first booted up. If you have just installed the .NET framework you will need to restart your workstation first for this to be possible.

Launch AV32 using the desktop shortcut. Since you do not yet have an association to an SQL server, you will see the following error dialog.



In order to make the correct settings, click yes to view the database properties.

Yes 🏷

You can connect to the SQL server and create your database in the following dialog box.





## **Selecting a Server**

AV32 can connect to any "visible" MS SQL server. The program sets certain defaults when it is installed, and these must be taken into consideration when installing and connecting to a server.

If you wish to connect to an existing server, you will need the access codes from your database manager. He may even make the connection for you, if you ask nicely!

You must enter an instance for the database when establishing a connection with the SQL server. Select the identifier from the SQL instance configuration (see above) for a new installation of the SQL server or enter the name. Pay attention to the MS notation (backslash). If you have an existing instance, please find out its identity from your database manager.

**U** The 'Server' field shows the server's name and the instance. In our example the server is named 'myPC', enter your server's name.

First select 'Create connection string' ♣. A dialog will appear for you to select the SQL server.

Select the server and complete the name with the database instance, then click 'OK' ₱.





Datenbank-Verbindungs-Eigenschaft	en X
Verbindung	
	Datenverknüpfungseigenschaften
Name der Verbindung	atz
AV32	Provider Verbindding Erweitert Alle
Server	Geben Sie folgende Angaben an, um zu SQL Server-Daten zu verbinden:
	1. Geben Sie einen Servernamen ein, oder wählen Sie einen aus:
Datenbank	meinPC\SQLEXPRESS
JAV32	2. Geben Sie Informationen zur Anmeldung beim Server ein:
Verbindumentating sufficiency	Specificchen Reputzemamen und Kennwort verwenden:
Próvider=SQLOLEDB.1;Integrated Secu	
Beschreibung:	
PLECHCENTED Dive and Misson & COL	
AV32 is not yet connected to	the AV32
- Create connection -	U Datenbackdatei ale Datenbackoamen acturgen:
The dialog shown to the right wi	Il open. Avage complete the name with the database instance (get this from your database manager or set the
	idetifier from the instance configuration
1	if you are working a new install)
SQL-Query	Not here Verbin Verbin
	OK Abbrechen Hilfe
<u>H</u> ilfe Speichern + <u>B</u> ee	nden

This connects AV32 to your server, allowing you to take the next step. Consult a help context for detailed instructions for each field in the dialog. Click the 'Help' at the bottom left to open the Help window.

## Creating a Database

AV32 requires a database named 'AV32' to be located on an SQL server. Open the dialog 'Database connection properties' and access the tab 'Create database'  $\Rightarrow$  then click 'Create database'  $\Rightarrow$  to create your database with the preset default.

The database files will be shown, click 'Finish'  $\Rightarrow$  to install the database on your SQL server.





Installation instructions



Datenbank-Verbindungs-Eigenschaften	2
Verbindung	
	SqL
Name der Verbindung       AV32       Server       meinPC\SQLEXPRESS	<ul> <li>Beim Start verbinden</li> <li>SQL: Server und DB-Vorsatz</li> <li>SQL: Datenbank-Vorsatz</li> <li>dbo-Schema</li> <li>für einzelne Tabellen</li> <li>für alle Tabellen</li> </ul>
Datenbank	C für keine Tabellen
AV32	Switch to the 'create database' tab.
Verbindungsstring aufbauen Provider=SQLOLEDB.1;Integrated Security=SS	Click 'create new'
Beschreibung:	
Datenbank anlegen Datenbank einrichten	The data files are displayed.
Neu anlegen Von Sicheru	ngs-Datei Datenbank löschen
AV32 data > c:\Program Files (x86)\	Microsoft SQL Server\MSSQL.1\MSSQL\DATA\AV32_data.mdf
AV32_log > c:\Program Files (x86)\	Microsoft SQL Server\MSSQL.1\MSSQL\DATA\AV32_log.ldf
Fertigstellen	Click 'finish'

A successful install will be confirmed by the following dialog box:

Click 'OK' ३.



Once installed you can go back and check your connection to the database.





## Checking a Database

Switch to the 'setup database' tab and click 'test connection'.

Datenbank-Verbindungs-Eigenschaften		×
Verbindung		
	2 Sal	
Name der Verbindung       AV32       Server       DIETER-PC\SQLEXPRESS       Datenbank       AV32	Beim Start verbinden Inaktive Verbindung halten Login-Abfrage beim Verbinden Switch to the 'setu	<ul> <li>SQL: Server und DB-Vorsatz</li> <li>SQL: Datenbank-Vorsatz</li> <li>dbo-Schema</li> <li>für einzelne Tabellen</li> <li>für alle Tabellen</li> <li>für keine Tabellen</li> <li>p database' tab'</li> </ul>
Provider=SQLOLEDB.1;Integrated Security=SSP	Click 'test co	onnection'
BLECHCENTEB Plus aut/Microsoft SQL-Server		
Datenbank anlegen Datenbank einrichten	Datensicherung	ndung: AV32 ndung erfolgreich
SQL-Query Scripte	starten	ОК
	The results of the test are	e displayed as above.
<u>H</u> ilfe Speichern + <u>B</u> eenden	Check this box to automati	cally connect at start-up.

The test result is shown in a dialog box. Acknowledge this by clicking OK  $\stackrel{_{\sim}}{\rightarrow}$ 

Check the box marked 'connect at start-up'  $\checkmark$  to automatically log in to this server each time.

Remember to save your settings [Save + exit]  $\xrightarrow{P}$ 





# Troubleshooting

If you have problems installing the program, the first place to trouble shoot is the connection to your SQL server and your database.

🚺 Microsoft SQL Server 2008	Dokumente	
Microsoft SQL Server 2008 R2	Bilder	
🛄 Daten importieren und exportieren (32-f	bilde!	
🧏 SQL Server Management Studio	Musik	
Integration Services		
like Konfigurationstools	Computer	
Fehler- und Verwendungsberichters		
📑 Konfigurations-Manager für Reportir	Systemsteuerung	
髋 SQL Server-Installationscenter	bystemstederung	
SQL Server Konfigurations-Manager	Geräte und Drucker	
ncCAD32		
li NetBeans	- Select the s	erver configuration tools
DpenOffice 4.1.0		
📗 Renesas Electronics 📃 💌	Hilfe und Support	
	Start the ser	ver configuration manager
<ul> <li>Zurück</li> </ul>	Start the Ser	ver configuration manager
Programme/Dateien durchsuchen	Herunterfahren	

Use the configuration tool 'SQL Server Configuration Manager' to check the connection. This tool allows you to check on your server's status.

There must be a server available and active – the instance entered at installation should be displayed.





#### Check the SQL server

🚟 Sql Server Configuration Manager					
Datei Aktion Ansicht ?					
SQL Server-Konfigurations-Manager (Lokal) SQL Server-Dienste SQL Server-Netzwerkkonfiguration (32 Bit) Protokolle für 'SQLEXPRESS' SQL Native Client 10.0-Konfiguration (32 Bit) Clientprotokolle Aliase	Name SQL Server (SQLEXPRESS) SQL Server agent (SQLEXPRESS) SQL Server Browser	Status Wird ageführt Beendet Wird ausgeführt	Startmodus Automatisch Andere (Boot, System, de Automatisch	Anmelden als NT AUTHORITY NT AUTHORITY NT AUTHORITY	
		/ou should see	e your server instanc	e.	
		The server n	nust be operational.		
	•			Þ	

The network server must have a TCP/IP connection. Check your settings.

🚟 Sql Server Configuration Manager		
<u>D</u> atei Ak <u>t</u> ion <u>A</u> nsicht <u>?</u>		
🗢 🔿 🙍 🗐 🙆 😫 👔		
SQL Server-Konfigurations-Manager (Lokal)	Protokollname	Status
SQL Server-Dienste	🗯 Shared Memory	Aktiviert
🗉 👖 SQL Server-Netzwerkkonfiguration (32 Bit)	🗿 Named Pipes	Aktiviert
Reference in the second	TCP/IP	<b>A</b> tiviert
SQL Native Client 10.0-Konfiguration (32 Bit)	VIA	Deaktiviert
Aliase		
		The TCP/IP connection must be activated.
	<u> </u>	

In the next step we will check the database on the server.







You can check the database on an existing server connection.



If the server is missing, check all entries as described in 'Select a server', and correct the entries as required.

If the database is missing you can correct as described in 'Create a database'.



If all entries are correct and you still cannot create the AV32 database, check the database files in Explorer.

Find the files AV32.mdf and AV32 log.LDF in the folder 'ProgramFiles (x86?)' ... Microsoft SQL Server\MSSQL.1\MSSQL\Data and check the date of last modification. If the files are untouched since before you installed the server, then they are leftovers from a previous install. Delete these files, or change their names and keep them safe, then create the database anew as described under 'Create a Database'.

A If you have a new error message, it could also be that your dongle is missing, damaged, or does not offer as much access as you require.





If you update your SQL server and keep the same databases, you must pay attention that your users' access rights on the new server are set up the same as on the 'old' server.

Your user settings can sometimes be lost when updating. If you roll the database back after updating the contents will still be there, but in this case you can't do this as your access has been revoked. After updating, set your user up as they were on the old server. It is worthwhile to save the user settings before updating your server.

**(i)** For more details on settings, securities and restore points, please see your admin handbook.

# If all is fine

The database is automatically opend by the application if starting the program, after successful installation of SQL Server, the AV32 on the server and correct connection to AV.



You can track the actions of the loading process in the lower pane.





Once the program has started, you can always check the database connection. Click the 'Options' menu on the menu item 'Properties of the database AV32'. The well-known dialog from the installation will open.

BLECHCENTER AV32	
Datei Optionen Hilfe	
Individuelle Einstellungen Gemeinsame Einstellungen	
StEigenschaften Datenbank AV32	

Datenbank-Verbindungs-Eigenschaften		×
Verbindung		
	<b>80</b> 1.	
Name der Verbindung       AV32       Server       meinPC\SQLEXPRESS       Datenbank       AV32       Verbindungsstring aufbauen       Provider=SQLOLEDB.1;Integrated Securi	<ul> <li>Beim Start verbinden</li> <li>Inaktive Verbindung halten</li> <li>meinPC</li> <li>Login-Abfrage beim Verbinden</li> <li>Benutzer + Passwort</li> <li>Dont forget to back up the data</li> </ul>	SQL: Server und DB-Vorsatz SQL: Datenbank-Vorsatz dbo-Schema für einzelne Tabellen für alle Tabellen für keine Tabellen Tabellen verbinden
BLECHCENTER Plus auf Microsoft SQL-Server		
Datenbank anlegen Datenbank einrichten 🤇	Datellisicherung	
<ul> <li>Datensicherung in Datei aktiv</li> <li>Anzahl</li> <li>ohne Abfrage durchführen</li> </ul>	Jetzt ausfüh	ren
Sicherungs-Ordner (wie er von der Anwendung	gesehen wird)	
C:\IBE-Software\AV32\DBBACKUP		?
Der gleiche Ordner (wie er vom SQL-Server ges	ehen wird). Es sollte ein lokaler Order sein.	
		?
<u>Hilfe</u> Speichern + <u>B</u> eenden		

Make settings for your data security on the tab 'Backup'. Have a look in the Help context (bottom left).

BLECHCENTER AV32		Check the program versus the current	
Datei Optionen	Hilfe	version on the Internet after installing.	
Start	Inhalt		
	Historie		
	Historie neueste Version (Internet)		
	Online-Hilfe		
	Handbuch •		
	Doku Updates		
	Fernwartung (TeamViewer)		
	Online-Update		
	Info		
Online-Update		×	
Das Update v	vird nicht direkt installiert, sondern ledig	glich eine Setup-Datei heruntergeladen	
Die neue Version ist identisch mit der installierten Version! Es muß kein Update durchgeführt werden.			
AV32	Version: 4.28.55.61 Installiert: 4.28.55.6	Globalversion: 21.04.2015	
AV32 order mana	agement BLECHCENTER (Installation)		
Dateidatum: 21.0			
Größe: 62.71 MB			
		V Download	
Beenden Sie die laufende Anwendung vor der neuen Installation!			
Benutzen	Sie für den Download von anderen Anwendung	en das Programm: <u>IBEDongle.exe</u>	

If there is a newer version available, you can download and run this setup again. This setup, it is a 'neutral version', that means, only the basic files of the program will be updated. Individual settings that are located on the computer, such as Postprocessors, options, etc. are not changed. Dont forget to close a running application before running the setup!

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