

ALVASYS-DR-Telegram Driver

Software installation and configuration manual.

Ver: 1.0 Date: January 20, 2025 Author: M.Meriano

1 History

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	January 22, 2025	Marcello Meriano	First draft





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3 Confidentiality Notice

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4 introduction

Requirements

- Niagara 4.x(>= 4.7)
- A license to use the **alvassiTELEGRAM** driver is necessary! The License is included with newly issued licenses, if not please provide the Host ID + Serial Number and the <u>info@alvasys.ch</u> send.
- Telegram account!





5 Telegram bot and group

The best way to create the Telegram bot is on the web! Important: You must already have the APP installed on your mobile phone! For your information there is only one bot per JACE, but multiple groups can be made per bot!

https://web.telegram.org/k/and connect to your mobile phone:



Open relegiant on your priorie
 Go to Settings > Devices > Link Desktop Device
 Point your phone at this screen to confirm login

LOG IN BY PHONE NUMBER

1. Set up your own account: Search for BotFather and select it!

← Q bot	×
BotFather	
Chats	
BotFather @BotFather	



2. own bot create under BotFather:

/newbot



Give name: IchbinjetzdeinBOT (name for your BOT)



Enter user name: IchbinjetzdeinBOT



Also configure the acknowledgement directly in the same chat!

/setcommands





@lchbinjetzdeinBOT your bot

	@IchbinjetzdeinBOT 11:41
OK. Send me a list of commands for your bot. Pleas format:	se use this
command1 - Description command2 - Another description	\$ 22.00
Send /empty to keep the list empty.	11:41

ack - Specify the Alarm UUID to acknowledge it.

	ack - Specify the Alarm UUID to acknowedge it. 11:44
Success! Command list up	dated. /help 11:44

Your bot is now finished!

Now call your bot! @I'mnowyourBOT

Done! Congratulations on your new bot. You will find it at <u>t.me/</u> <u>IchbinjetzdeinBOT</u>. You can now add a description, about section and profile picture for your bot, see /help for a list of commands. By the way, when you've finished creating your cool bot, ping our Bot Support if you want a better username for it. Just make sure the bot is fully operational before you do this.

START

/start

Adjust icons and description if desired







A group with the rightCreate alarm recipients:



Select the people who should be in this alarm group.**Important: Your bot (I'mnowyourBOT) must also** be a member of this group!

	Alarmgruppe Niagara4 2 Mitglieder	
ତି	t.me/+wb7b4oMNNX41ZDQ0 Link	
Ļ	Mitteilungen	
	R	
1	Marcello Meriano online	Inhaber
5	IchbinjetzdeinBOT Bot	

Assign names and icons! And more \rightarrow

←	Neue Gruppe	3	
		ണ	
		-+	
Grup	ipenname		
Ala	rmgruppe Niagara4	ţ	



Chat IDRemember: (inbrowser

Telegram is set up!

6 modules

The modules of the driveralvassiTELEGRAM contains two

- alvassiTELEGRAM-rt.jar
- alvassiTELEGRAM-wb.jar

Compatibility

Platforms

The driver**alvassiTELEGRAM**runs on Niagara 4.x(>= 4.7) platforms.

Test with the version

Niagara 4.14.x

6 Lizenz

Without a license, sending and receiving of theNo news!

Licenses:

SSI-DR-TELEGRAM5	for 5 alarm groups
SSI-DR-TELEGRAMIP15	for 15 alarm groups
SSI-DR-TELEGRAMIP50	for 50 alarm groups
SSI-DR-TELEGRAMIP1U	Update + 1 alarm group
SSI-DR-TELEGRAMIP5U	Update + 5 alarm group
SSI-DR-TELEGRAMIP10U	Update + 10 alarm group





7 Installing the modules

Insert the modules under your installation:

C:\Niagara\Niagara-4.Versionxyz\modules

> Dieser PC > Windows (C:) > Niagara > Niagara-4.14.0.162 > modules					~ Ö	✓ ひ modules durchsuchen	
	* ^ [Name ^	Änderungsdatum	Тур	Größe		
	A	🚳 aaphp-rt.jar	01.01.2025 17:13	Executable Jar File	19	16 KB	
	1	🚳 aaphp-wb.jar	01.01.2025 17:13	Executable Jar File	8	17 KB	
	*	🙆 aapup-rt.jar	01.01.2025 17:13	Executable Jar File	19	02 KB	
		🎒 aapup-wb.jar	01.01.2025 17:13	Executable Jar File	5	io KB	
1		▲ abstractMqttDriver-rt.jar	01.01.2025 17:13	Executable Jar File	5'24	12 KB	
		abstractMqttDriver-wb.jar ■	01.01.2025 17:13	Executable Jar File	3	17 KB	
m		isscontrol-rt.jar	01.01.2025 17:13	Executable Jar File	1	8 KB	
		🛓 accessDriver-rt.jar	01.01.2025 17:13	Executable Jar File	28	18 KB	
er AG		🍰 aceEdge-rt.jar	01.01.2025 17:13	Executable Jar File	34	12 KB	
		🕌 aceEdge-wb.jar	01.01.2025 17:13	Executable Jar File	2	12 KB	
		🕌 ace-rt.jar	01.01.2025 17:13	Executable Jar File	34	10 KB	
		🎒 ace-ux.jar	01.01.2025 17:13	Executable Jar File	1	8 KB	
		🕌 ace-wb.jar	01.01.2025 17:13	Executable Jar File	10	00 KB	
		🍰 alarmOrion-rt.jar	01.01.2025 17:13	Executable Jar File	11	9 KB	
		🍰 alarm-rt.jar	01.01.2025 17:13	Executable Jar File	41	0 KB	
okumente		🍰 alarm-se.jar	01.01.2025 17:13	Executable Jar File	3	13 KB	
ns-Chatdateien		🎒 alarm-ux.jar	01.01.2025 17:13	Executable Jar File	19	02 KB	
		🕌 alarm-wb.jar	01.01.2025 17:13	Executable Jar File	49	95 KB	
		💩 alvassiOpenWeather-rt.jar	10.01.2025 15:33	Executable Jar File	7	77 KB	
		🕌 alvassiSMSIP-rt.jar	26.06.2024 10:21	Executable Jar File	8	14 KB	
		📓 alvassiSMSIP-wb.jar	26.06.2024 10:21	Executable Jar File	2	16 KB	
		💰 alvassiSolar-rt.jar	26.06.2024 14:06	Executable Jar File	5	i3 KB	
		alvassiTELEGRAM-rt.jar	20.01.2025 09:27	Executable Jar File	06	14 KB	
		🖌 🍰 alvassiTELEGRAM-wb.jar	20.01.2025 09:27	Executable Jar File	4	9 KB	
		🍰 alvasysComponents-rt.jar	01.05.2022 19:07	Executable Jar File	20	00 KB	
		🕌 alvasysComponents-wb.jar	01.05.2022 19:07	Executable Jar File	2'69	18 KB	

Step 1	First, unzip the files containing the driver and technical notes.
Step 2	Copy the two JAR files into the module directory of your Niagara Work Bench.
Step 3	Restart your Work Bench.
Step 4	After rebooting, the file should appear in the list of available software. This can be viewedby clicking on the "Software Manager" section of your Work Bench platform

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To install the driver on the JACE/HAWK unit, follow these steps:

Step 1	The Work Bench allows you to connect to aManufacture JACE/HAWK barrel unit.
Step 2	Transfer the alvassiTELEGRAM module into the device under the Modules folder.
	This can be done by activating the standard Tridium software upgrade procedure or by simply copying the JAR files can be transferred using the File Transfer Client method available in the Platform Options
Step 3	list in your Workbench. The destination directory in Jace8000 is: /opt/niagara/modules For more details
	on transferring files from Work Bench to JACE/HAWK units, see the official Tridium documentation.
Step 4	After copying the driver to the JACE/HAWK unit, force a reboot.







7 Installing TELEGRAM modules

Inserting the modules under the service JACE/MAC/HAWK/

Open the palette:

• Palette		Per Physical Inservice	R
	2	alvassiTELEGRAM	
🕨 🛃 Telegra	amSe	vice	
🕨 🍓 Telegra	amRe	cipient	

Install TelegramService under Service!

Install this on the JACE/HAWK/MAC/ like this.

👻 🧑 Services		
AlarmService		
BackupService	2	
😗 🚱 CategoryServi	ce	
JobService		
(1) RoleService		
🕑 UserService		
Authenticatio	nService	
🕨 🗐 DebugService		
BoxService		4
FoxService		
HierarchyServ	ice	
HistoryService		
AuditHistoryS	ervice	
LogHistorySer	vice	
ProgramServie	ce	
SearchService		
TagDictionary	Service	
🕨 💼 TemplateServ	ice	
🕨 📵 Web Service		
A Second	vice	
🕨 📔 AlvasysService	2	
D EnvasAppServ	rice	
🕨 🆬 CloudConnec	tionService	
🕨 🦹 SolarForecast		
📄 📔 Telegram Servi	re	-
 Palette 		2
alvassiTELEGRA	м	
	970)	
TelegramService		
TelegramRecipient		





Setting in the Telegram service

Enable service: Shows how many messages are still pending and which ones were last received.

Bot Name:	from Tel	egram	IchbinjetzdeinBOT.	
Bot Token:	from Tel	egram to BotFather	762249	DhvZgt3yT-2dB90tjE
🛃 Telegram	nService (T	elegr <mark>a</mark> m Service)		
🚡 Statu	IS	{OK}		
Fault	t Cause			
Enab	led	🔵 ein		
Drive	er Vendor	AlvasysSsi		
Drive	er Version	1.0.1.0		
Bot N	Vame	IchbinjetzdeinBOI		
Bot 1	loken	•••••		
▶ 🖵 Healt	th	Ok [20.Jan 2025 14:2	7 MEZ]	
		T 1 0 1		

Right click on the station you can still see the news \rightarrow Clear Queue (delete the messages still to be sent) Reset Count (delete the counter)

Reset Count

Þ

🛃 TelegramService (Telegram Service) Status {OK} Fault Cause 🔵 ein Enabled Driver Vendor AlvasysSsi Driver Version 1.0.1.0 Bot Name IchbinjetzdeinBOT Bot Token ****** Health Ok [20.Jan 2025 14:27 MEZ] Send Ansichten Þ Ausführen ۲ Clear Queue L Reset Count La Neu 1 La Tags bearbeiten Last MEZ Ti 📦 Vorlage erstellen CI U D Kopieren Ctrl+C fe5-8cbc-14b114d6f1. Einfügen Ctrl+V Te Te duplizieren Ctrl+D Send Suchen Ausführen 🔉 Clear Queue D.



Q

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Neu



Setting up and configuring Telegram Recipient (JACE/MAC/HAWK)

Insert the Telegram Recipient into the Alarm Service



Connect to the desired alarm class!



Setting the desired alarm text (BFormat) Source:%alarmData.sourceName% Timestamp:%timestamp% State:%sourceState% / %ackState% Priority:%priority% Alarm Class:%alarmClass%

TelegramRecipient (Tele	gram Recipient)	
Time Range	00:00 - 00:00	
Days Of Week	🖌 So 🖌 Mo 🖌 Di 🖌 Mi 🖌 Do 🖌 Fr 🖌 Sa	
Transitions	🕑 toOffnormal 🕑 toFault 🕑 toNormal 🕑 toAlert	
Route Acks	ein 💽	
Enabled	ein 🔽	
Text	Alarm: %alarmData.presentValue% Source: %alarmData.sourceName% Timesdamp: %time()% State: %sourceState% / %ackState Priority: %piority% Alarm Class: %alarmDatass% Text: %alarmData.msgText% UUID: %uuid%	0

UUID:%uuid%

Text:%alarmData.msgText%







Add new users:



Filling in the data:

Name:	Name of the alarm group in Telegram	IchbinjetzdeinBOT
Chat ID:	Chat ID of Telegram group	-4607045xx6

A 🔤 https://web.telegra	am.org/k/#									
n Suchen Lesezeichen V	Werkzeuge Fei	nster Manager	Hilfe							
		13 0	* @	i Da	×	↑ /*	0	$t_{\eta_{\alpha}} = [$	0	8
tation) : Station (alvasys_Mu	usterstation) :	Konfig : Servi	es : Alarr	nService	: Telegra	amRecipient	5 2 7			
	2	Database								
🕄 mein Netzwerk		Name	Ena	abled Chat	ld					
	*	alarmgruppe	Nian 🏰 New							×
			lame	Fnabled	Chatl	d				Ę
25			(Q) tob	binicale	46226	25046				
armService				omjeen	-40320	55040				_
ackupService			Na Na	lchbi	njetzde	einBOT				
ategoryService			Ena	bed 🔵 ein	1	-				
bService			Cha	tld -4632	6				A	
leService				-		-				
serService			1			64.0				
uthenticationService						ок	Abbruc	h		
ebugService					-				 	-

Now the system is ready to send and acknowledge alarms!

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Alarms that arrive in the Telegram group can be freely adapted to recipients in the alarm text. If the alarms need to be acknowledged, it is necessary to send the UUID.

	Alarm: true
	Source: Testalarm Telegramm
	Timestamp: 20.Jan 2025 14:13 MEZ
	State: Gekommen / Unquittiert
	Priority: 3
	Alarm Class: Telegram
¢	Text: alarm
	UUID: 8a691470-21b0-4012-ad20-4e6e76514e89 14:13

Acknowledge alarms:

/ack and the UUID must be in the text!

/ack 8a691470-21b0-4012-ad20-4e6e76514e89



As soon as the usersare configured correctly, the ping can also be executed!



