

ConSEL PLUS – Disaster Recovery

ConSEL PLUS

System version: 7.x

Document version: 1.2





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1. Data backup after instalation

After installing and configuring the ConSEL PLUS system, the performed configuration should be secured.

a) IP Addressing

Ethernet Status			\times
General			
Connection			-
IPv4 Connectiv	ity:	No Internet access	
IPv6 Connectiv	ity:	No network access	
Media State:		Enabled	
Duration:		3 days 18:25:58	
Speed:		1.0 Gbps	
Details			
Activity			-
	Sent —	Received	
Bytes:	363,310,652	2,740,838,309	
Properties	Disable	Diagnose	
		Close	

Set the IP address of the network card from the internal LAN subnet (behind the router) on the computer that acts as a radio server. For example 172.30.2.138/16 gateway 172.30.1.1, you should make a copy of the addressing.





nternet Protocol Version 4 (TC	P/IPv4) Properties	>
General		
You can get IP settings assigned this capability. Otherwise, you for the appropriate IP settings	ed automatically if your network supports need to ask your network administrator .	
Obtain an IP address aut	omatically	
• Use the following IP addr	ess:	
IP address:	172 . 30 . 2 . 138	
Subnet mask:	255.255.0.0	
Default gateway:	172.30.1.1	
Obtain DNS server addre	ss automatically	
• Use the following DNS ser	rver addresses:	
Preferred DNS server:	172.30.1.10	
Alternate DNS server:	172 . 30 . 1 . 20	
Validate settings upon ex	Advanced	
	OK Cance	4

b) Registers

The main system parameters are stored in the Windows system registers. After setting up a fully functioning system, you should backup (export) the registry settings. Run through the Windows Start menu - "regedit.exe" command.







The configuration of the radio server is stored in the Aksel key located in the branch:

Computer \ HKEY_LOCAL_MACHINE \ SOFTWARE \ Aksel

In some cases, the Aksel key is in a branch

Computer \ HKEY_LOCAL_MACHINE \ SOFTWARE \ WOW6432Node \ Aksel

You need to export and protect the Aksel key by right clicking.





Computer						
> H	KEY_CLA	SSES_ROOT				
> HKEY_CURRENT_USER						
HKEY_LOCAL_MACHINE						
5	BCD000	00000				
5	HARDW	ARE				
5	SAM					
	SECURIT	ΓY				
~	SOFTWA	ARE				
1 5	Adop	otOpenJDK				
~	Al	N				
	TO	Collapse	- 1			
	~	New	>			
		Find				
		Delete				
5	C	Rename				
	C					
		Export Permissions				
					Copy Key Name	
			E			

and the second second

The registry subkeys contain configuration data for connecting to the system.

Computer ^	Name	Туре	Data	
HKEY_CLASSES_ROOT	(Default)	REG_SZ	(value not set)	
HKEY_CURRENT_USER	ab CfgClld	REG_SZ	local	
HKEY_LOCAL_MACHINE	ab Ing	REG_SZ	en	
HARDWARE	ab MapyArcPy	REG_SZ		
SAM	ab MapyMapcenter	REG_SZ		
SECURITY	ab MapyMapX	REG_SZ		
SOFTWARE	ab MapyOS	REG_SZ	map00	
> AdoptOpenJDK	ab MapyRasterMaps	REG_SZ		
V Aksel	ab MNISConnect	REG_SZ	False	
- ConSEL	ab NAIMasterip	REG_SZ	192.168.101.12	
SckClient	ab NAIMasterPort	REG_SZ	50012	
map00	ab NAIPeerID	REG_SZ	964	
mod01	ab NaiType	REG_SZ	1	
> Classes	ab Name	REG_SZ	basic	
> Clients	ab) SckType	REG_SZ	stMotoTRBO	
- CVSM	ab TurboAMBEPorts	REG_SZ	COM4	
DefaultUserEnvironment	ab TurboPrivacyEn	REG_SZ	F8 F2 F0 C5 C6 C9 C0 30 3C 37 24 16	
> Dolby				
A STATE OF THE PARTY OF THE PAR				





📲 Registry Editor — 🗆 🗙								
File Edit View Favorites Help								
Computer\HKEY_LOCAL_MACHINE\SOFTWARE\Aksel								
Computer (HKEY_CUCAL_MACHINE(SOFTWARE(AKSET Computer HKEY_CLASSES_ROOT HKEY_CURRENT_USER HKEY_LOCAL_MACHINE BCD00000000 HARDWARE SAM SECURITY SOFTWARE AdoptOpenJDK Aksel	Name (Default) (Default)	Type REG_SZ REG_SZ	Data (value not set) nai					
 ConSEL SckClient map00 mod01 Classes Clients CVSM DefaultUserEnvironment Dolby DTS ESET Firebird Project Fortemedia Foxit Software 								
 Fujitsu Ghisler GitForWindows Google Huawei technologies Intel JavaSoft JreMetrics Khronos Knowles 	٢					>		

The saved file should be backed up until it can be restored.

c) Program directory

All the most important configuration files, databases and application files are installed on the radio server. During installation, the default save directory is C: \ Program Files \ Aksel

Before copying Aksel folder stop AkselSckClient service | Windows start menu – services.msc





×							
File Home	Share	View				~ 🕐	
← → × ↑ 📴 > This PC > Windows (C:) > Program Files > Aksel v Ö 🔎 Search Aksel							
		Name	Date modified	Туре	Size		
Desktop	*	ConSEL	6/29/2022 6:27 AM	File folder			
🕹 Downloads	A	HASP Drivers	3/18/2022 9:17 AM 3/18/2022 1:45 PM	File folder Application	14,326 KB		
Documents Pictures	*						
b Music							
Videos 📲							
 OneDrive 	_						
This PC							
💣 Network							
3 items							

After setting up a fully functioning system, you should protect the Aksel folder by copying all the contents.

d) MNIS Data Geteway Configuration Utility

The connection of the radio server with the system via MNIS requires protection by saving important configuration data.





MNIS Data Gateway Configuration Utility			9 <u>1</u> 19		×
Configuration View Edit Service Help					
🖂 🍊 ipsc 📰 General					
🧰 Security E 🚍 Group List	System Operation Mode	Conventional \sim			
- 80 € List 1 - Conventional	MNIS Application ID	99			
				1	
Capacity Plus	MNIS IP Address	192.168.10.1			
	Tunnel IP Address	192.168.10.2			
- 📲 Network 📷 Forwarding Rules	Subnet Mask	255.255.255.0			
Application Override Rules					^
					~

The configuration data for each branch of the MNIS program should be saved. It is suggested to make screenshots of individual branches, which will make it easier to re-configure.

📭 MNIS Data Gateway Configuration Utility * $ \Box$ \times								
Configuration View Edit Service Help								
1								
🖃 🛑 ipsc		IPSC1			^			
- Imm General - Orroup List - orroup List	Master IP Address Master UDP Port	172.30.5.103 50000						
- 3- IPSC1 - 3- IPSC2 - Capacity Plus	MNIS LE Port	Automatically Assigned Manually Assigned None						
Circle Capacity Hus Capacity Hu	Authentication Key	Ø						
- 📷 Network - 🖙 Forwarding Rules	SFR Mode				~			
Application Override Rules	SFR Mode This checkbox enables the Single Frequency Repe	ater (SFR) Mode.			^			
Notes When the SFR mode is enabled, Slot 1 is disabled and only Slot 2 is enabled.					~			





2. Data loss recovery

If the radioserver - a computer that has a direct connection to Motorola systems configured - crashes and the system cannot be restored, use the following steps.

Data needed to restore:

- a copy of the Aksel folder
- copy of registers
- radio server IP addressing
- MNIS configuration data
- ConSELPLUSSetup.exe installer
- MNIS Data Configuration Utility installer

First of all, all the above-mentioned elements should be copied to the radio server. You should set the correct IP address on the network card and check the network connection with the converter - preferably by confirming the answer to ICMP (ping) queries.

Then start with the installation of the MNIS Data Configuration Utility and ConSELPLUSSetup.exe applications in the mode of proceeding according to the previously installed configuration.

The next step is to open System services - in the start menu, enter the command: services.msc - then run.





All Apps Documents Web	More 🔻	··· ×
Best match		
C Services		O,
Apps		Samiras
Component Services	>	App
Dotfuscator Software Services	>	
Search the web		다 Open
	>	🖸 Run as administrator
	>	D Open file location
	>	-⊟ Pin to Start
	>	-🛱 Pin to taskbar
	>	
ん service.msc aufrufen	>	
	>	
。 タ service.msc windows 10 list	>	
E \wp service.msd		o 🗄 💽 🛤 🗊 🕋 💆

After starting the system services, find the Aksel service - ConSEL SckClient -> then stop it. Right click - stop

After the service is stopped, the next steps will be:

- restore previously exported records of registers by double-clicking on the saved file and agreeing to add entries.

- moving and replacing the previously protected Aksel directory to the location in Program Files
- in the MNIS application, the previously saved settings and configurations should be entered

After restoring the records of registers, replacing the Aksel directory and introducing the MNIS configuration, you can start the Aksel service - ConSEL SckClient - right click - start.

After correctly entering the above-mentioned elements in the Radio server configuration (SCK), the status will show a message about connection with the system. In the event of problems, please refer to the Troubleshooting document.

IMPORTANT!

ConSEL License is related to serial number of Motorola Repeater (MASTER). If Repeater is changed licence will not work, and need to be updated.





3. Console

When replacing / restoring the console after a failure of the end computer, the necessary steps to restore the connection to the radio server are required. After installing and configuring the base operating system:

- enter the IP address so that it has a network connection with the radio server

- download the installer of the ConSEL PLUS application client from the radio server - Start the web browser and enter http: // adreipradioserver:5595 in the address field For example: http://172.30.2.138:5595 (where the address of the radio server is: 172.30.2.138)

- after downloading the installer, follow the instructions installation instructions.

