

DeviceLab Payload Collector, - How to "Load" and "Delete" keys!

The Payload Collector supports decrypting frames and for that use relevant keys must be loaded!

How to load keys from a Kamstrup "KEM file":

In the Payload Collector, open "Key management" and select "Load keys from KEM file".



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Locate and select the KEM file and Press "Open"

🌒 DeviceLab Collector App v. 0.2.16.58+ac8783251f74c5ff6d690f69c20d5f4df2f016ae - Licensed to Karsten File Edit Key management Remote Reports Open serial port Close serial port _ Search Decoded Required Frames Meters Setup Reception time RSSI Serial Manufacturer Version Device Description Status Decoded Main value Field ↓ This PC → Downloads ~ ē New folder Organize 🔻 Date modified Name 🖈 Quick access A long time ago (3) 💻 Desktop yyyymmdd_0847DownloadMeters.zip.kem 11-11-2022 08:48 🕹 Downloads yyyymmdd_1042DownloadMeters.zip.kem 22-04-2022 10:42 🛗 Documents 📝 yyyymmdd_hhmmDownloadMeters.zip.... 04-11-2021 11:54 Pictures Music 🛃 Videos This PC Desktop



Enter the KEM file password, press "OK" and the keys are loaded!

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How to load keys from a "CSV file":

The format of the .csv file must be as follows...

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🚽 key-fil	e-test.csv 🗵
1	SERIAL; KEY; MANUFACTURER
2	12345678;0123456789ABCDEF0123456789ABCDEF;LUG
3	12345678;0123456789ABCDEF0123456789ABCDEF;DME

Example: SERIAL;KEY;MANUFACTURER 12345678;0123456789ABCDEF0123456789ABCDEF;LUG 12345678;0123456789ABCDEF0123456789ABCDEF;DME



In the Payload Collector, open "Key management" and select "Load keys from CSV file".

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	Load keys from IST file				
	Manually add key				
	Show keys				
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Locate and select the CSV file, press "Open" and the keys are loaded.

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Reception time RSSI Serial Manufacturer Version Device Description Status Decoded Image: Contract of the series	Main value Field count Repeated Encryp ● Search Downloads Image: search Downloads Image: search Downloads • ● Type Si • 0 CSV File Si
File name: key-file-test.csv	CSV encryption key file (



How to load keys from a "IST file":

If you have received a ISTA key file formatted as follows...

ST-ke	ys.txt 🗵
1	deviceID;Key
2	5112112345678;01-23-45-67-89-AB-CD-EF-01-23-45-67-89-AB-CD-EF

This can be loaded as a "IST file".

In the Payload Collector, open "Key management" and select "Load keys from IST file".

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Locate and select the IST file, press "Open" and the keys are loaded.

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📰 Videos 📑 IST-key	s.txt	03-01-2025 12:47	Text Document
💻 This PC			
📃 Desktop			
🔮 Documents			
🕹 Downloads			
👌 Music			
📰 Pictures			
🚆 Videos			
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File name:			 Ista encryption key file (*.tx
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How to load keys "Manually":

Single keys can also be added manually...

In the Payload Collector, open "Key management" and select "Manually add key".

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		Load keys from IST file			
		Manually add key			
		Show keys			
			7		

Enter "Manufacture", "Serial", "Hexkey" and press "Add key" to load key!

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		HexKe	ey											
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Find devices with loaded keys:

Devices with a loaded key is shown in the Payload Collector under "Show keys".

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	1	ld	Manufacturer	Seria	al	Version		Device	Keylo				
	1	2	GAV	2185	21858								
	1	3	BMT	19050653									
	1	4	BMT	1905	0563								
11													

Values and info for devices with loaded key are now shown in Payload Collector:

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eption time	RSSI	Serial	Manufacturer	Version	Device	Description	Status	Decoded	Main value	Field count	Repeated	Encryption mode	Error flags	Parse errors	Error flags			
01.2025 13.24.00	-84	19050653	BMT	10	1B	RFM-AMB Room sensor	00	✓	6,66 °C, 64,4 %	15		Mode5	0		Picture .			
1.2025 13.21.00	-60	19050563	BMT	10	18	RFM-AMB Room sensor	00	1	19,72 °C, 44,9 %	15		Mode5	0		rields			
01.2025 13.20.25	-82	19050653	BMT	10	1B	RFM-AMB Room sensor	00	~	6,66 °C, 64,4 %	15		Mode5	0		Description	Value	Unit	SubU
1.2025 13.17.45	-60	19050563	BMT	10	18	RFM-AMB Room sensor	00	~	19,70 °C, 44,9 %	15		Mode5	0		External temperature	6,66	°C	0
1.2025 13.17.11	-86	19050653	BMT	10	18	RFM-AMB Room sensor	00	1	6,66 °C, 64,4 %	15		Mode5	0		External temperature	6,63	°C	0
1.2025 13.14.09	-60	19050563	BMT	10	1B	RFM-AMB Room sensor	00	~	19,70 °C, 44,9 %	15		Mode5	0		External temperature	8,21	°C	0
01.2025 13.13.35	-82	19050653	BMT	10	18	RFM-AMB Room sensor	00	✓	6,66 °C, 64,4 %	15		Mode5	0		External temperature	6,60	°C	0
1.2025 13.10.55	-60	19050563	BMT	10	18	RFM-AMB Room sensor	00	-	19,70 °C, 44,9 %	15		Mode5	0		External temperature	6,66	°C	0
1.2025 13.10.22	-85	19050653	BMT	10	18	RFM-AMB Room sensor	00	~	6,65 °C, 64,3 %	15		Mode5	0		External temperature	7,50	°C	0
1.2025 13.07.19	-60	19050563	BMT	10	18	RFM-AMB Room sensor	00	~	19,73 °C, 45,6 %	15		Mode5	0		External temperature	9,62	°C	0
1.2025 13.06.47	-82	19050653	BMT	10	18	RFM-AMB Room sensor	00	~	6,65 °C, 64,3 %	15		Mode5	0		Relative humidity	64,4	%	0
															Relative humidity	64,3	%	0
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How to Delete loaded keys:

Go to and select "Show keys"

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Select:

- a single key by clicking on it...
- several keys by clicking on them while holding the "Crtl" button down...

- a row by clicking on the first one and holding "Shift" while clicking on the last on.

Frames	Meter		Kaulist\A/indou								
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		ld	Manufacturer	Serial	Version	Device	Keyld				
		21	SET	334310							
		22	SET	334310							
		23	SET	335224							
		24	SET	335224							
		43	EFE	12151917							
		44	EFE	12151917							
		45	EFE	12152185							
		46	EFE	12152185							
		47	EFE	12152187							
		48	EFE	12152187							
		49	EFE	12152188							
		50	EFE	12152188							
		51	KAW	12830150							
		52	KAW	12830150							
		53	KAW	12830150							
		54	KAW	12830150							
		0.1	IZANA .	37317005							



"Right-click" and press "Delete selected keys" or just press the "Delete key" button.

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	43	EFE	12151917				
	44	EFE	12151917				
	45	EFE	12152185				
	46	EFE	12152185				
	47	EFE	12152187				
	48	EFE	12152187				
	49	EFE	12152188				
	50	EFE	12152188				
	51	KAW	12830150				
	52	KAW	12830150				
	53	Delete	selected ke	ys			
	54	kaw	12830150				
	81	KAM	27317005				
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	83	KAM	27317402				



Confirm by pressing "OK"

Open serial	port	Close serial	port 📮 🗄	Search			Decoded Required 🖕 🕴 Frames captured:	0 (0 Displa				
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	46	EFE	12152185									
	47	EFE	12152187									
	48	EFE	12152187									
	49	EFE	12152188				Key deletion	×				
	50	EFE	12152188									
	51	KAW	12830150									
	52	KAW	12830150	30150 Really delete keys with ids: 24, 43, 44, 45, 46, 47, 48, 4								
	53	KAW	12830150									
	54	KAW	12830150									
	81	KAM	27317005				OK Cancel					
	82	KAM	27317005									
	83	KAM	27317402									

And keys are now deleted! Note! – that deleted keys can't be restored!

Open serial port Close serial port _ Search

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		22	SET	334310									
		23	SET	335224									
		50	EFE	12152188									
		51	KAW	12830150									
		54	KAW	12830150									
		81	КАМ	27317005									
		82	КАМ	27317005									
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		84	КАМ	27317402									
		85	КАМ	30655841									
		86	КАМ	30655841									
		87	DME	58002344									
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Decoded Required _