

User Guide

ReXdesk Convert Manual





ReXdesk Convert Manual

Location of Exe is: C:\Program Files (x86)\Influx Technology\Rexdeskconvert

Command to bring up Help section

Main command: rexdeskconvert help

CD C:\Program Files (x86)\Influx Technology\Rexdeskconvert\&&rexdeskconvert help (opens the Rexdesk convert console mode help screen)

Command	Purpose	Description
help convert-file	convert-file	Convert XML configuration to ReX configuration (*.rxc) or RXD data file to other data files
help convert-folder	convert-folder	Batch convert the RXD data file to other data files
help configure	configure	Send the configuration to the ReXgen device
help reflash	reflash	Reprogram ReXgen with new firmware

Convert-file

Main command: help convert-file

General convert format: convert-file -I <input file> -O <output file>

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Command	Purpose	Description
-I <input file>	Specify input file path.	Supported formats are XML (for configuration) and RXD (for data file conversion)
-O <output file>	Specify output target file path.	If input file is configuration (.xml), output file format should be .rxc. If input file is data file (.rx), supported output formats are: <ul style="list-style-type: none"> ASAM MDF4 file (*.mf4) ASCII Logging File (*.asc) Vector binary frames (*.blf) Matlab 5.0 (*.mat) Comma delimited (*.csv)
-F <format>	Specify desired internal file format.	Applicable for CSV file type. Supported formats are: DiaLOG - file format structured for DiaLOG import (default). InfluxDB - file format structured for InfluxDB import.
-S <bus> <signal file>	Attach signals to specific can bus.	Optional parameter. It can be used multiple times for each bus. <ul style="list-style-type: none"> Parameter <bus> should be the name of the bus - can0, can1... Parameter <signal file> should be the signal file path. Supported file formats are DBC only.

Example:

To convert an RXD file to asc, use the below script:

@echo off

```
CD C:\Program Files (x86)\Influx Technology\Rexdeskconvert\&&rexdeskconvert convert-file -I
```

```
"C:\Users\user\Desktop\Input\New Project_ReXgen0000049_20210702_113743.rxd" -O
```

```
"C:\Users\user\Desktop\Output\Converted.asc"
```



To convert an RXD file to CSV after linking a DBC file, use the below script:

@echo off

```
CD C:\Program Files (x86)\Influx Technology\Rexdeskconvert\&&rexdeskconvert convert-file -I
"C:\Users\user\Desktop\Input\IMU_out_0000007_20211116_185402.rxd" -O
"C:\Users\user\Desktop\Output\Converted.csv" -s can0 "C:\Users\user\Desktop\ReXgen_IMU_Out_V2.dbc"
```

To convert an XML configuration file to rxc, use the below script:

@echo off

```
CD C:\Program Files (x86)\Influx Technology\Rexdeskconvert\&&rexdeskconvert convert-file -I
"C:\Users\user\Desktop\Input\New Project_ReXgen0000049_20210702_113743.xml" -O
"C:\Users\user\Desktop\Output\Config.rxc"
```

Convert-folder

Main command: help convert-folder

General convert format: convert-folder -I <input folder> -O <output folder>

Command	Purpose	Description
-I <input folder>	Specify input folder path containing RXD files.	
-O <output folder>	Specify output target folder path.	
-C	Set concatenation mode.	When -C is used all converted data will be stored in same output file (concatenated).
-F <type> <format>	Specify desired output type and internal file format.	Supported target conversion file types and formats are: <ul style="list-style-type: none"> • <i>mf4</i> for ASAM MDF4 file (*.mf4) • <i>asc</i> for ASCII Logging File (*.asc) • <i>blf</i> for Vector binary frames (*.blf) • <i>mat</i> for Matlab 5.0 (*.mat) • <i>csv</i> for Comma delimited (*.csv) • <i>csv InfluxDB</i> for CSV line protocol file (*.csv) required for InfluxDB import
-S <bus> <signal file>	Attach signals to specific can bus.	Optional parameter. It can be used multiple times for each bus. <ul style="list-style-type: none"> • Parameter <bus> should be the name of the bus - can0, can1... • Parameter <signal file> should be the signal file path. Supported file formats are DBC only.
-E <encryption key>	Specify encryption key file.	Used for decrypting .rxe files.

Example:

To convert all the RXD files in a folder to asc, use the below script:

@echo off

```
CD C:\Program Files (x86)\Influx Technology\Rexdeskconvert\&&rexdeskconvert convert-folder -F "asc" -I
"C:\Users\user\Desktop\Input" -O "C:\Users\user\Desktop\Output"
```

To merge and convert all the RXD files in a folder to CSV using the below script



@echo off

```
CD C:\Program Files (x86)\Influx Technology\Rexdeskconvert\&&rexdeskconvert convert-folder -C -F "csv" -I "C:\Users\user\Desktop\Input" -O "C:\Users\user\Desktop\Output"
```

To merge and convert all the RXD files in a folder to CSV after linking the DBC file, use the below script

@echo off

```
CD C:\Program Files (x86)\Influx Technology\Rexdeskconvert\&&rexdeskconvert convert-folder -C -F "csv" -I "C:\Users\user\Desktop\Input" -O "C:\Users\user\Desktop\Output" -s can0 "C:\Users\user\Desktop\ReXgen_IMU_Out_V2.dbc"
```

Configure

Main command: help configure

General configure format: configure -I <input file>

Command	Purpose	Description
-I <input file>	Specify input file path.	Supported formats are: ReX configuration (*.rxc)

Example:

To configure the logger with a particular configuration, use the below script

@echo off

```
CD C:\Program Files (x86)\Influx Technology\Rexdeskconvert\&&rexdeskconvert configure -I "C:\Users\user\Desktop\Input\configuration.rxc"
```

Reflash

Main command: help reflash

General configure format: reflash -I <input file>

Command	Purpose	Description
-I <input file>	Specify input file path.	Supported formats are: ReXgen Firmware (*.bin)

Example:

To reflash the logger with a particular firmware, use the below script

@echo off

```
CD C:\Program Files (x86)\Influx Technology\Rexdeskconvert\&&rexdeskconvert reflash -I "C:\Users\user\Desktop\06032021\firmware.bin"
```

Format

Main command: help format

General configure format: format

Example:

To format the logger, use the below script

@echo off

```
CD C:\Program Files (x86)\Influx Technology\Rexdeskconvert\&&rexdeskconvert format
```