



## INSTALLATION FOR ZWCAD

For installation of the plugin you need to login with the same user name (User account) which will be used for further work with the program. You need to perform the following steps to install the MeteorSpec LT:

### *MeteorSpec LT installation*

1. Check that you are in the system with the same user name that you will work with the program in the future. Close all ZWCADs;
2. Start the installation setup file you received;
3. If you accept the end user license agreement click the „I agree to the terms in the license agreement“ radio button and press the „Next“ button;
4. Select your location from a list;
5. After the finish of the installation start ZWCAD, open any drawing and **load the installation file “MeteorSpec LT installation finalizer.vls” to finalize the installation procedure.** You can drag this file into ZWCAD window from Desktop or use "Load Application" command;
6. Wait for the installation of the MeteorCalc SL panel on the ribbon and the menu bar and then delete the installation file from Desktop.
7. Begin your work with the plugin using the MeteorSpec LT example file. Type in the command line: MTR-SPEC-GET-EXAMPLE and then specify a folder and a suitable file name to save the example file.

If you don't find the installation file on your Desktop, please load it from the default location of the file  
`c:\Users\%USER%\AppData\Roaming\ZWSOFT\ApplicationPlugins\MeteorSpecLT_mod\Installation`

Note. If there is no program panel on the ZWCAD's ribbon, please, call the MTR-SPEC-LT-MENU command.

### *Check your regional settings*

We strongly recommend you to check the main settings of the program and, if necessary, to change them according to your regional standards. Please, refer to the “[After installation](#)” topic.

Pay you attention the temperature of conductors and parameters of voltage directly affect the results of calculations.

### *Technical support*

If you have any problems or questions about the MeteorSpec LT installation procedure, please, contact our support staff at one of the addresses shown below.

**Support page:** <https://meteorspec.com/support>  
**E-mail support:** [support@meteorspec.com](mailto:support@meteorspec.com)

When MeteorSpec is installed, a new panel is added to the CAD ribbon and a new item is added to the CAD main menu. The ribbon is a main interface element of the program. In case the user does not use the ribbon, it is possible to run the program through the main menu or the command line.

# AFTER INSTALLATION

## Check the main settings

We recommend you to check the main settings of the program and, if necessary, to change them according to your regional standards. To do this use the “**MeteorSpec-NETWORK Options**” command and call the “General Settings” window.

**Prefix for network feeders.** MeteorSpec-NETWORK will add this prefix automatically to the name of feeders on plans and tables.

**Prefix for earthing devices.** MeteorSpec-NETWORK will use this prefix to designate earthing devices on plans.

## Check the calculation settings

We strongly recommend you to check and set the settings of electrotechnical calculations. Use the “**MeteorSpec-NETWORK Options**” command and call the “Calculation Settings” window.

**Default value of a conductor temperature for max SCC calculations.** According to the IEC 60909-0, a conductor temperature of 20 °C is assumed for the calculation of the maximum short-circuit current.

**Default value of a conductor temperature for min SCC calculations.** According to the IEC 60909-0, when calculating minimum short-circuit currents, the value of the cable resistance has to be introduced at a higher temperature. This temperature usually is defined by regional standards.

**Default value of a conductor temperature for voltage losses calculations.** This temperature usually is defined by regional standards. The long-term permissible operating temperature of power cable may be used in the absence of such a standard.

**Default value of nominal voltage in low-voltage distribution networks.** A nominal voltage of low voltage networks directly affects the results of current and voltage drop calculations.

**Voltage tolerance in low-voltage distribution networks.** This parameter defines the voltage factors used in short-circuit calculations. A voltage factor (as the part of an equivalent voltage source) directly affects the results of short-circuit currents calculations.

Voltage factors  $c$  according to the IEC 60909-0 (2016) are shown in the table.

Nominal voltage $U_n$	$c_{max}$	$c_{min}$
Low-voltage systems ( up to 1kV ) with a tolerance of $\pm 6\%$	1,05	0,95
Low-voltage systems ( up to 1kV ) with a tolerance of $\pm 10\%$	1,10	0,90

Also you can set **default values of additional cable length** and select cable designation mode on plans and labels. For this purpose, use the “**MeteorSpec-NETWORK Options**” command and call the “Cables Settings” window.

The MeteorSpec LT template file includes all the components necessary for your work with the software: blocks for creation of models, layer names, dimensioning styles, text styles and multileader styles. To get the template enter in the command line: MTR-SPEC-GET-TEMPLATE.

We recommend that you refer to the built-in Help system (we advise you to start with the “How to use MeteorSpec-NETWORK” topic) to learn how to work with the software.

**We wish you productive work with the MeteorSpec LT!**