

# EDM C++ MQTT Demo User Guide

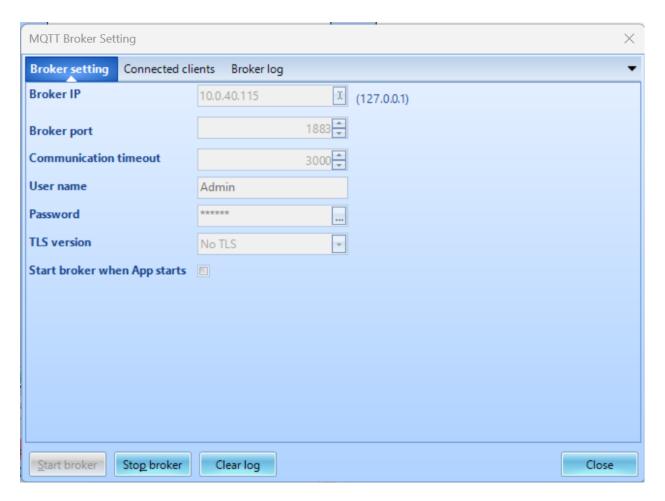
VCS/DSA

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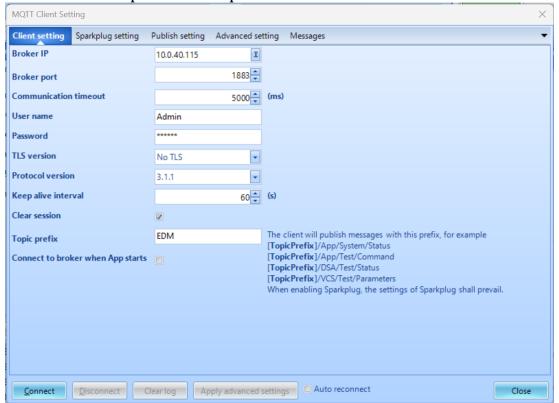
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## **CONNECTING**

- 1. Host: IP address of the MQTT broker See Broker IP in photo below
- 2. Port: Port of the MQTT broker See Broker port in photo below
- 3. Username: Username specified when initializing the MQTT broker See User name in photo below
- 4. Password: Password specified when initializing the MQTT broker See Password in photo below



5. Topic Prefix: Topic prefix specified when initializing the MQTT client See Topic Prefix in photo below



#### **COMMANDS**

Run: Runs the open test

Parameters: None

Reference:

The commands you can perform are: Run (Runs Current Test), Stop (Stops Current Test), Get (Gets Signal Data), Publish (Publishes a Topic and Payload), Subscribe (Subscribes to a Topic), and Exit (Exits Program). Please type the action you want to perform.

Stop: Stops the running test

Parameters: None

Reference:

The commands you can perform are: Run (Runs Current Test), Stop (Stops Current Test), Get (Gets Signal Data), Publish (Publishes a Topic and Payload), Subscribe (Subscribes to a Topic), and Exit (Exits Program). Please type the action you want to perform.

Get: Creates a file containing the APS of Channel 1 of the Spider 80x

Parameters: None

#### Reference:

The commands you can perform are: Run (Runs Current Test), Stop (Stops Current Test), Get (Gets Signal Data), Publish (Publishes a Topic and Payload), Subscribe (Subscribes to a Topic), and Exit (Exits Program). Please type the action you want to perform.

get

Subscribe: Subscribes the MQTT Client to a topic

Parameters:

Topic – the topic that the client will be subscribed to

#### Reference:

The commands you can perform are: Run (Runs Current Test), Stop (Stops Current Test), Get (Gets Signal Data), Publish (Publishes a Topic and Payload), Subscribe (Subscribes to a Topic), and Exit (Exits Program). Please type the action you want to perform.

subscribe

Please enter the subscribe topic: GlobalParameter/Response

Publish: MQTT Client publishes a payload to a topic Parameters:

Topic – the topics that the client will publish to Payload – the payload that will be published

#### Reference:

Please enter the subscribe topic: GlobalParameter/Response
The commands you can perform are: Run (Runs Current Test), Stop (Stops Current Test), Get (Gets Signal Data), Publish (Publishes a Topic and Payload), Subscribe (Subscribes to a Topic), and Exit (Exits Program). Please type the action you want to perform.

publish
Please enter the publish topic: GlobalParameter/Request
Please enter the payload: Test.Run.Parameter.ShakerName

Exit: Exits the program Parameters: None

### Reference:

The commands you can perform are: Run (Runs Current Test), Stop (Stops Current Test), Get (Gets Signal Data), Publish (Publishes a Topic and Payload), Subscribe (Subscribes to a Topic), and Exit (Exits Program). Please type the action you want to perform. exit