Getting Started Guide
TM5M-700 and
LD-60

1. Setup the environment

1.1. Hardware

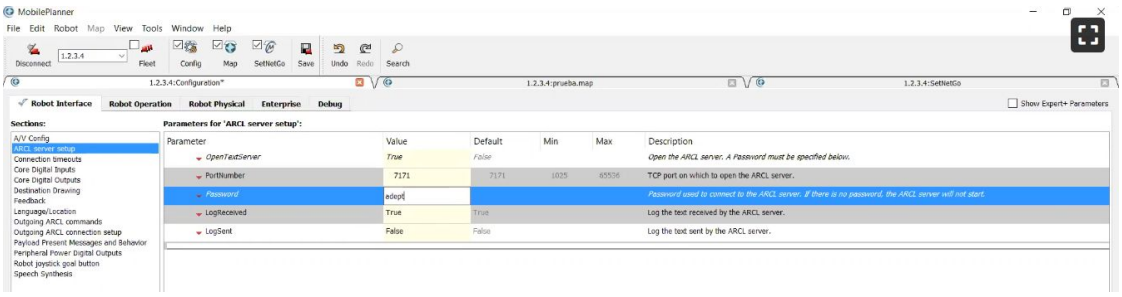
Connect the Ethernet LAN port from the LD-60 to the Ethernet LAN port of the TM5M-700.

1.2. Software

First set the IP addresses as follows:

- LD-60 Ethernet: 192.168.0.182
- LD-60 Wireless: 192.168.43.177 **// This one depends on the Router IP.**
- TM5M-700 Ethernet: 192.168.0.180
- Laptop Ethernet: 1.2.3.7

Then go to the Mobile Planner and change the following settings located in the configuration tab:

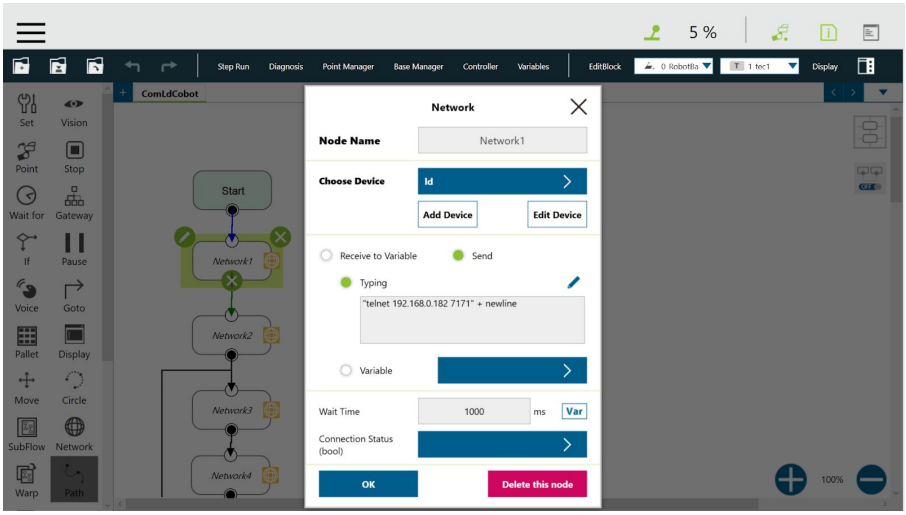


2. Basic Program to test the communication

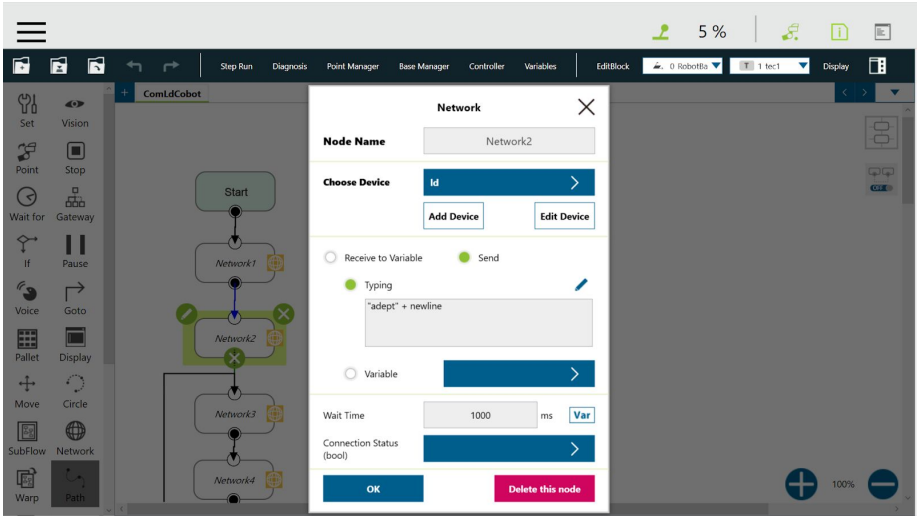
In this chapter we will go through a simple program to send and receive information using an Ethernet connection.

2.1. Send Information

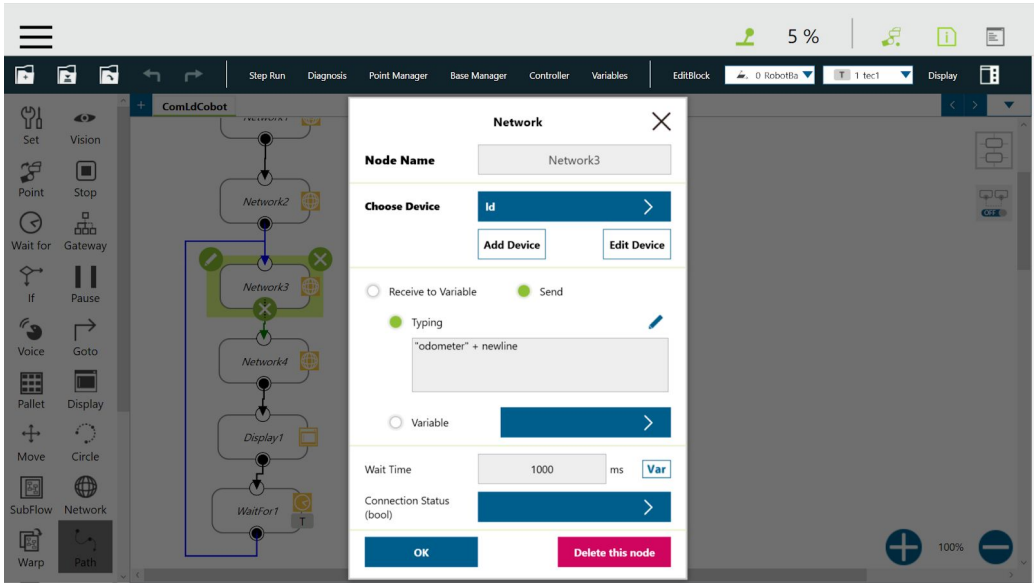
Go to the **TMflow client** and create a new project, then create a **Network** node (starts the communication with the device 192.168.0.182 by using the port 7171), edit the node and add a device with the following information:



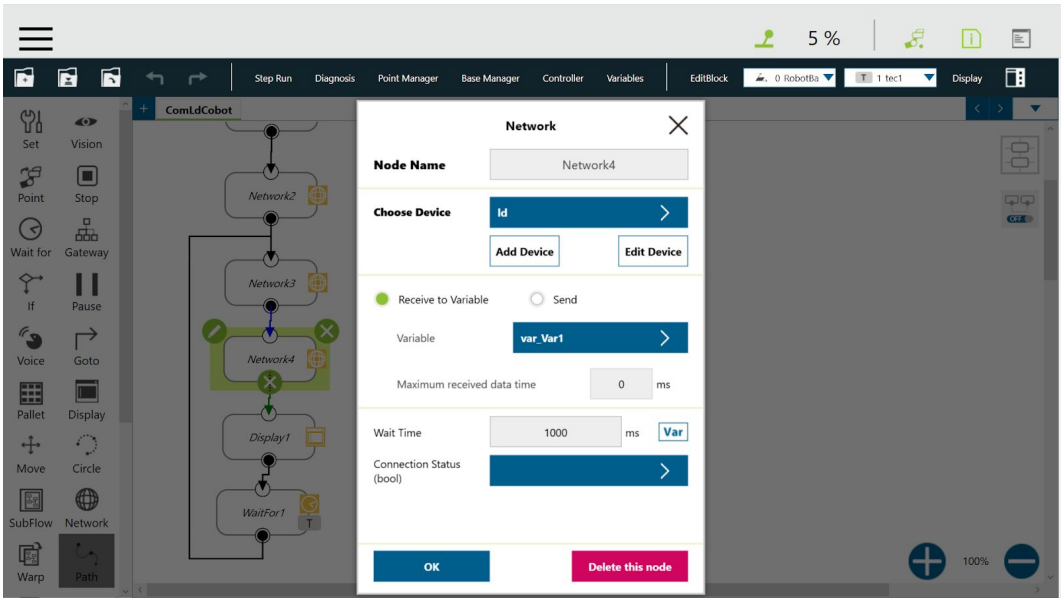
Now create another Network node (This node provides the Password “adept” to complete the communication) and do almost the same configuration shown as follows:



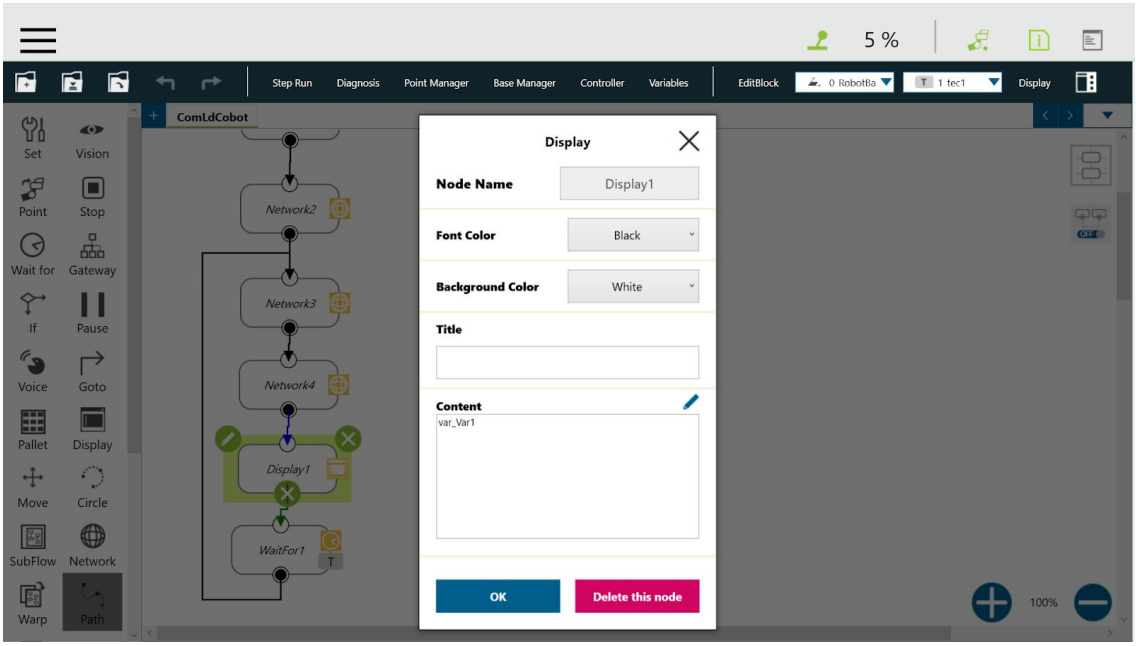
Another Network node (Sends the word odometer to the LD-60) must be created and configured as follows:

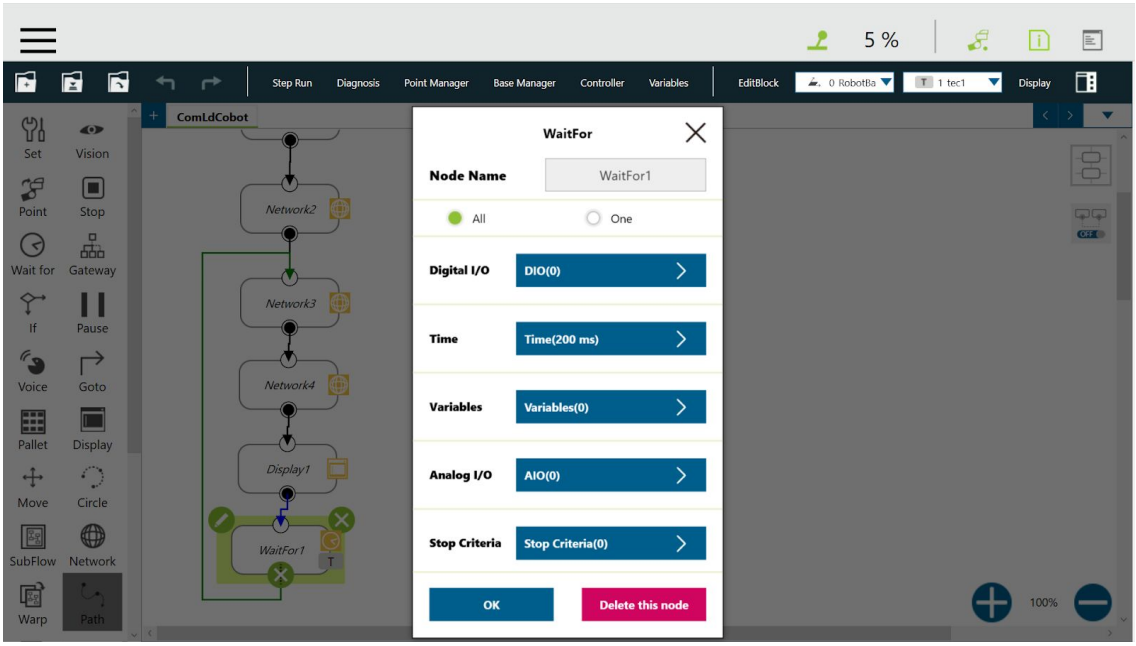


Afterwards create an additional Network node with a String Variable, in this case it is called Var1.

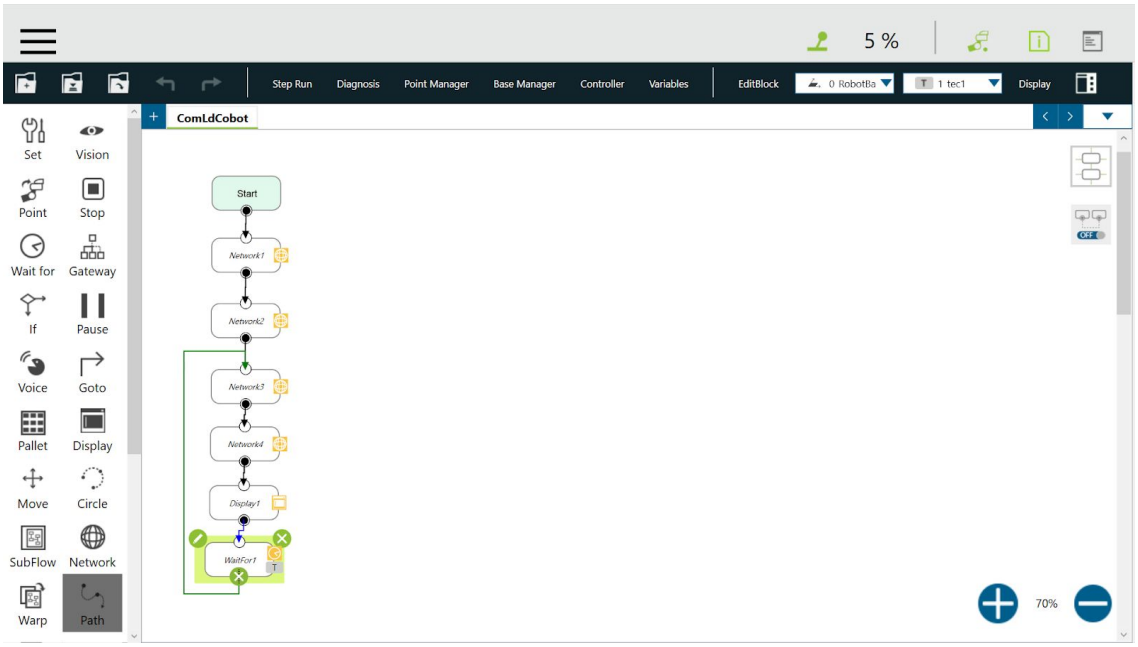


Finally let's create a Display and WaitFor nodes (To visualize the data been sent to the LD-60) to complete the Diagram with the following configuration:





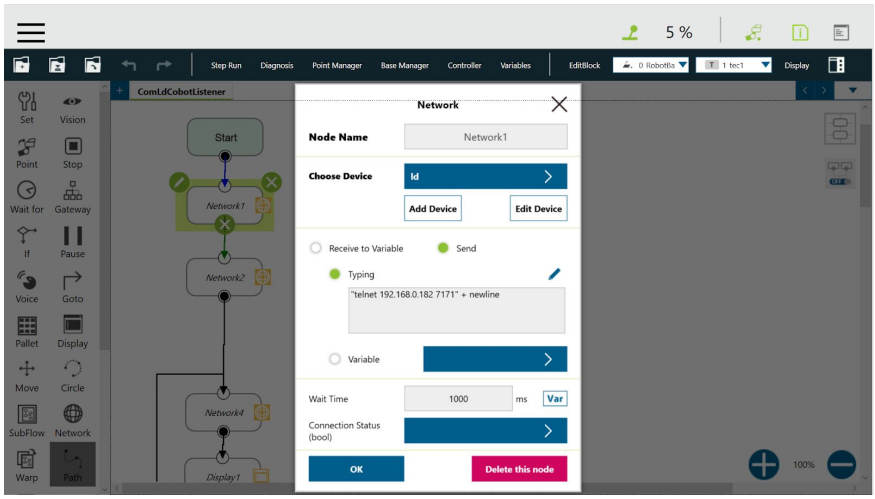
The final Diagram should look as follows:



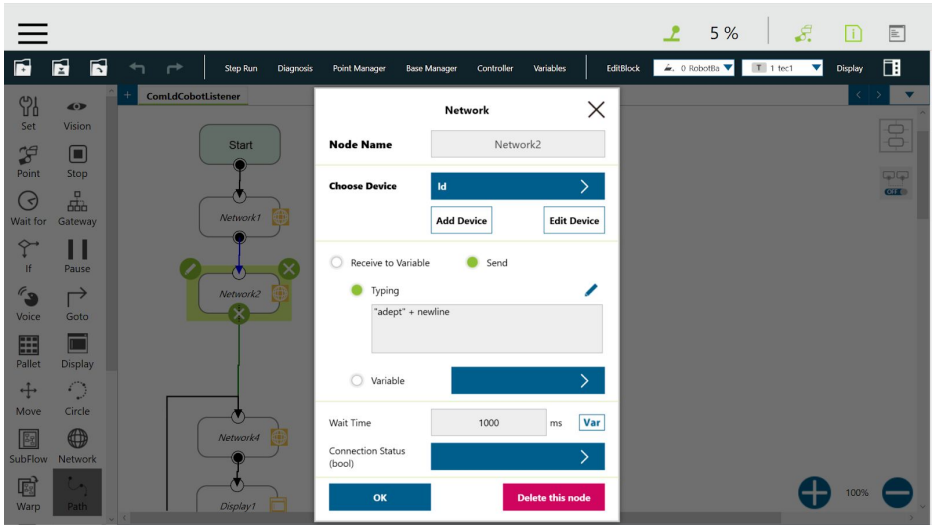
2.2. Receive Information

For the TM5M-700 to receive information it is similar to the previous **TMflow client** diagram will take place:

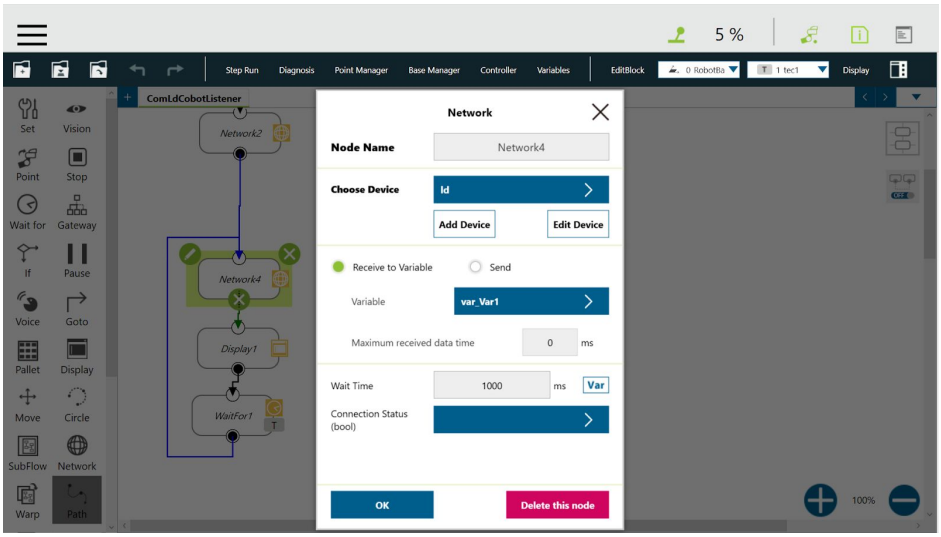
- **Network Node 1:** Same from previous example.



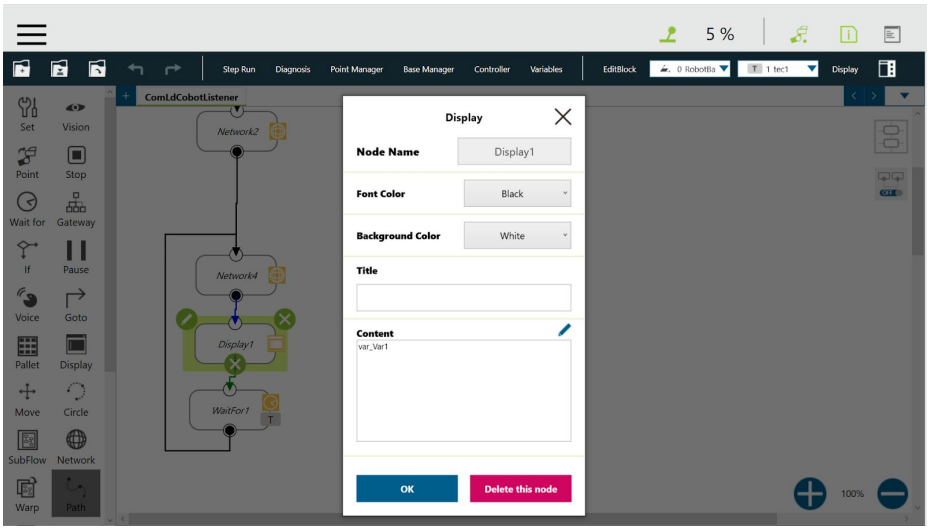
- **Network Node 2:** Same from previous example.

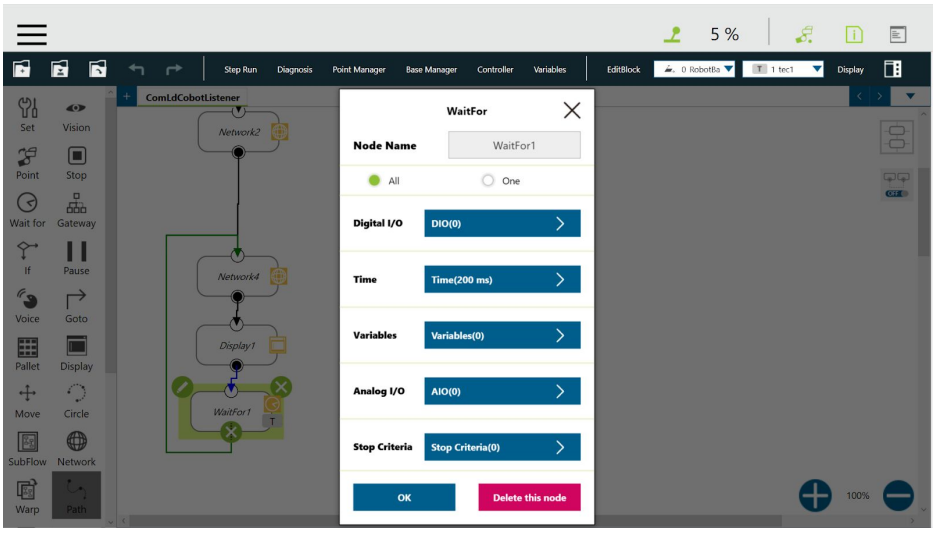


- **Network Node 4:** Same from previous example.

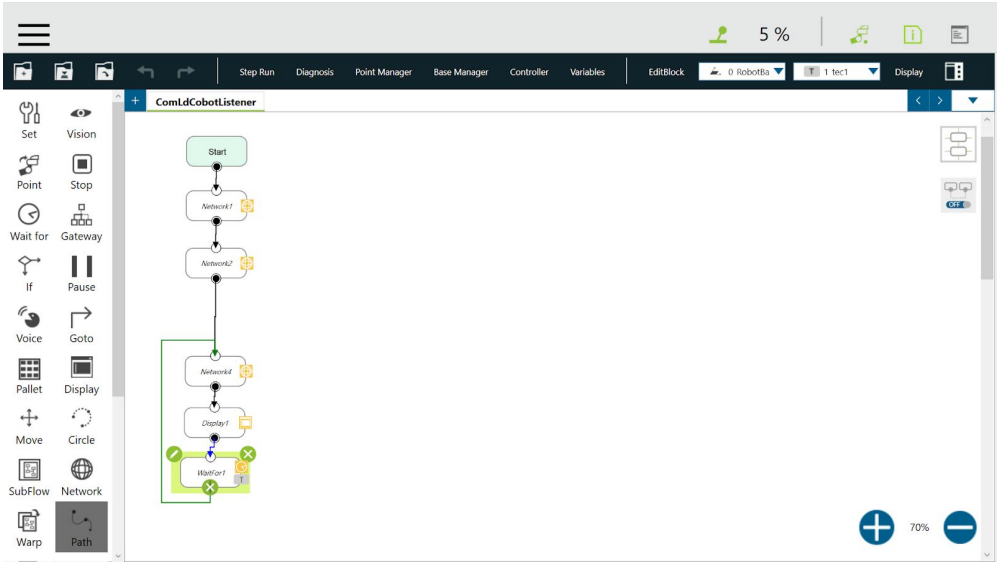


- **Display and WaitFor nodes:**Same from previous example.

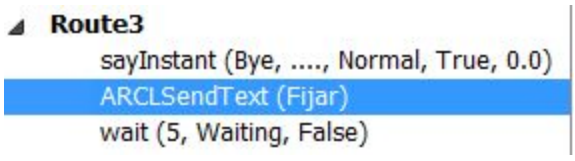




The Diagram should look as follows:



Now go to the **MobilePlanner** and create a **Route**. Add all the commands shown in the following image:



Execute the programs from the **MobilePlanner** and the **TMflow client** the communication of the device should take place.