

## Basic Setting and Webserver for ATV630U07N4

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**What is the purpose**

Quick installation (run forward and control the speed), display the KwH meter, and connect to webserver.

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**What units are effected**

1. ATV630U07N4
  2. 3 phase delta motor asynchronous
  3. Terminal
  4. Ethernet cable
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**Details**

This application is divided into several parts

Section	Title
1	Parts List
2	Architecture System
3	Step by Step
4	Remarks

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## Section 1: Parts list

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**Parts List table**      Items used in the test

Items	Part numbers	Description
VSD	ATV630U07N4	-
3 phase motor	-	-
Terminal	-	-
Ethernet cable	-	-

## Section 2: Architecture System

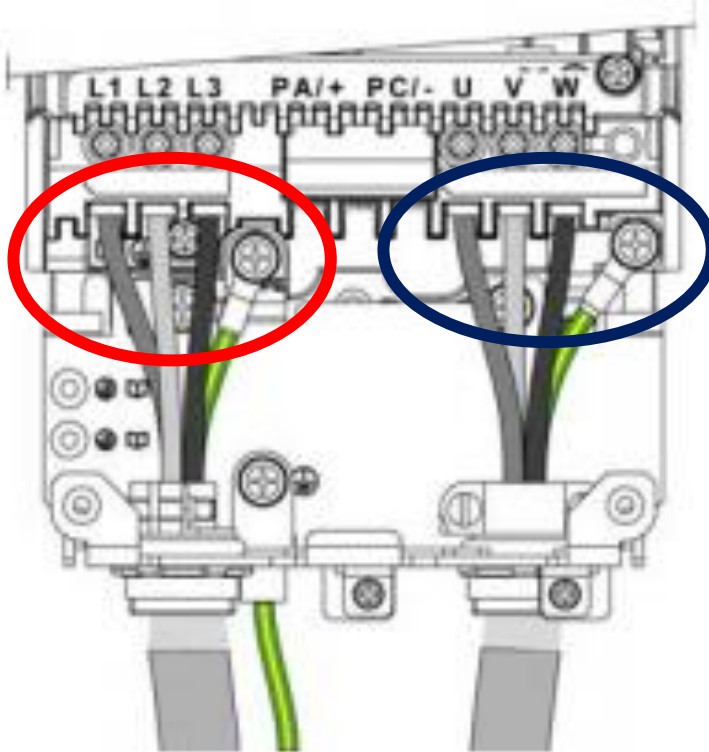


## Section 2: Architecture Systemstep by step

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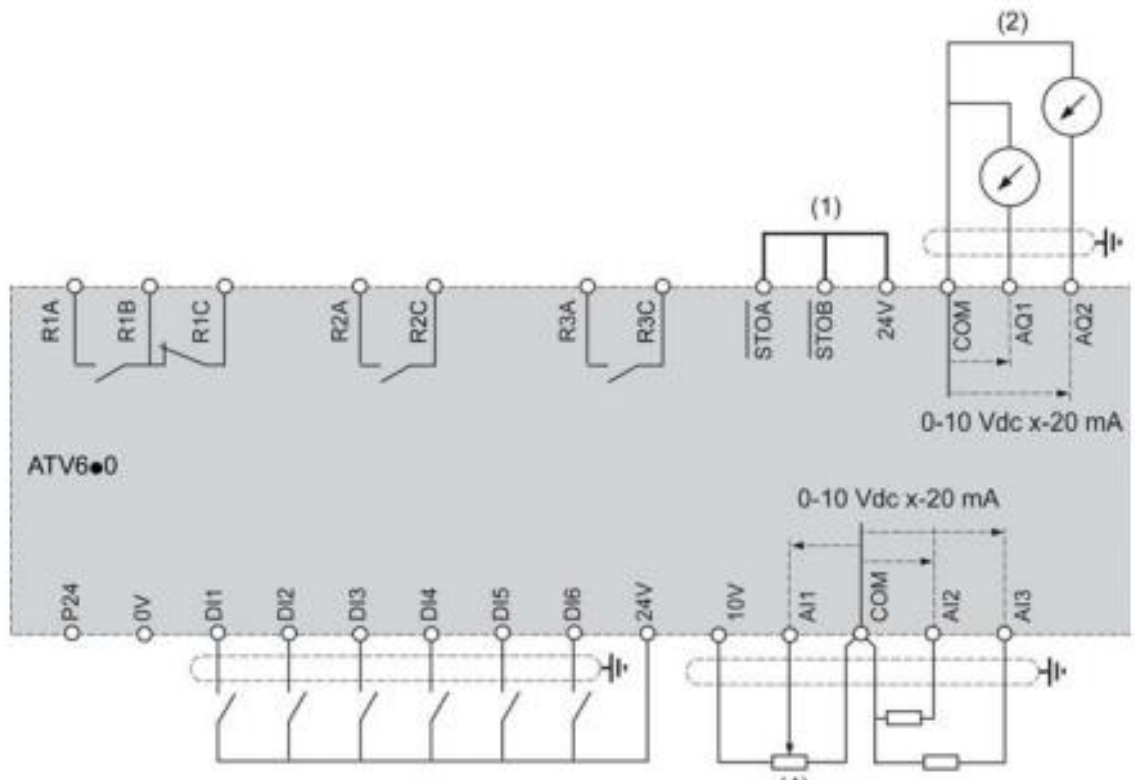
### Quick Installation:

1. Power cable wiring



Red circle: 3 phase voltage input 380 V  
Blue circle: 3 phase motor output

2. Control block diagram



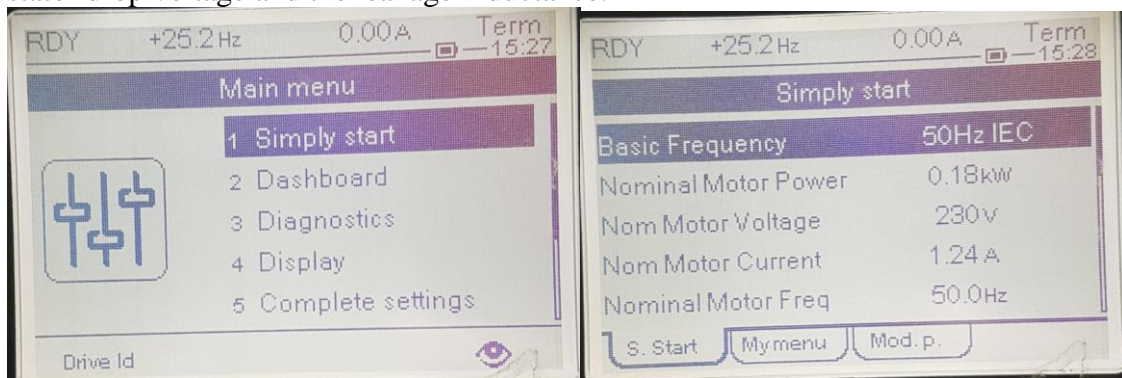
Use the digital input 1 (DI1) for the forward assignment) and connect the potentiometer to the analog input 1 (AI1), 10 V, and COM for the external reference (controlling the motor frequency)

### 3. Set the motor parameters

The motor parameter can be fill using the motor nameplate. To setting the parameter go to main menu → simply start and then:

- Basic frequency: 50 Hz IEC (for Indonesia)
- Nominal motor voltage
- Nominal motor current
- Nominal motor frequency
- Nominal motor speed
- Acceleration
- Deceleration

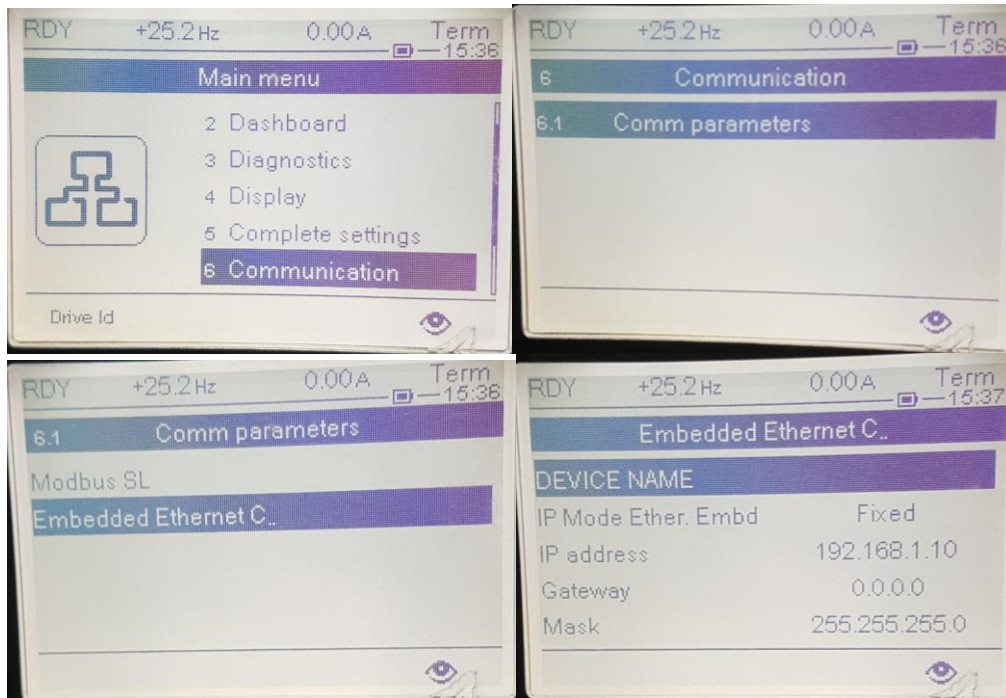
After fill the parameter don't forget to use autotuning, the autotuning used to measure the stator drop voltage and the leakage inductance.



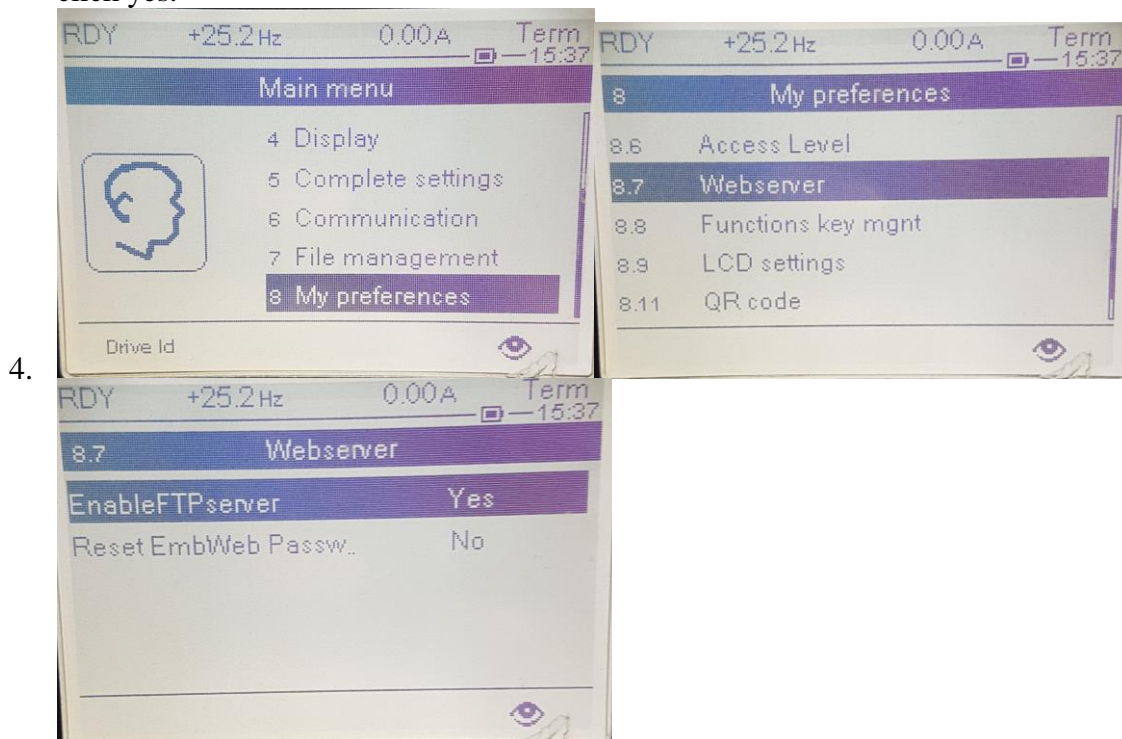
## Connect to the Webserver

1. Connect the ATV630U07N4 to computer via Ethernet cable
2. In the ATV630U07N4 setting go to communication → comm parameters → embedded Ethernet connection:
  - IP mode ethernet embedded: FIXED
  - IP address: 192.168.1.10
  - Gateway: 255.255.255.0
  - Mask: 0.0.0.0



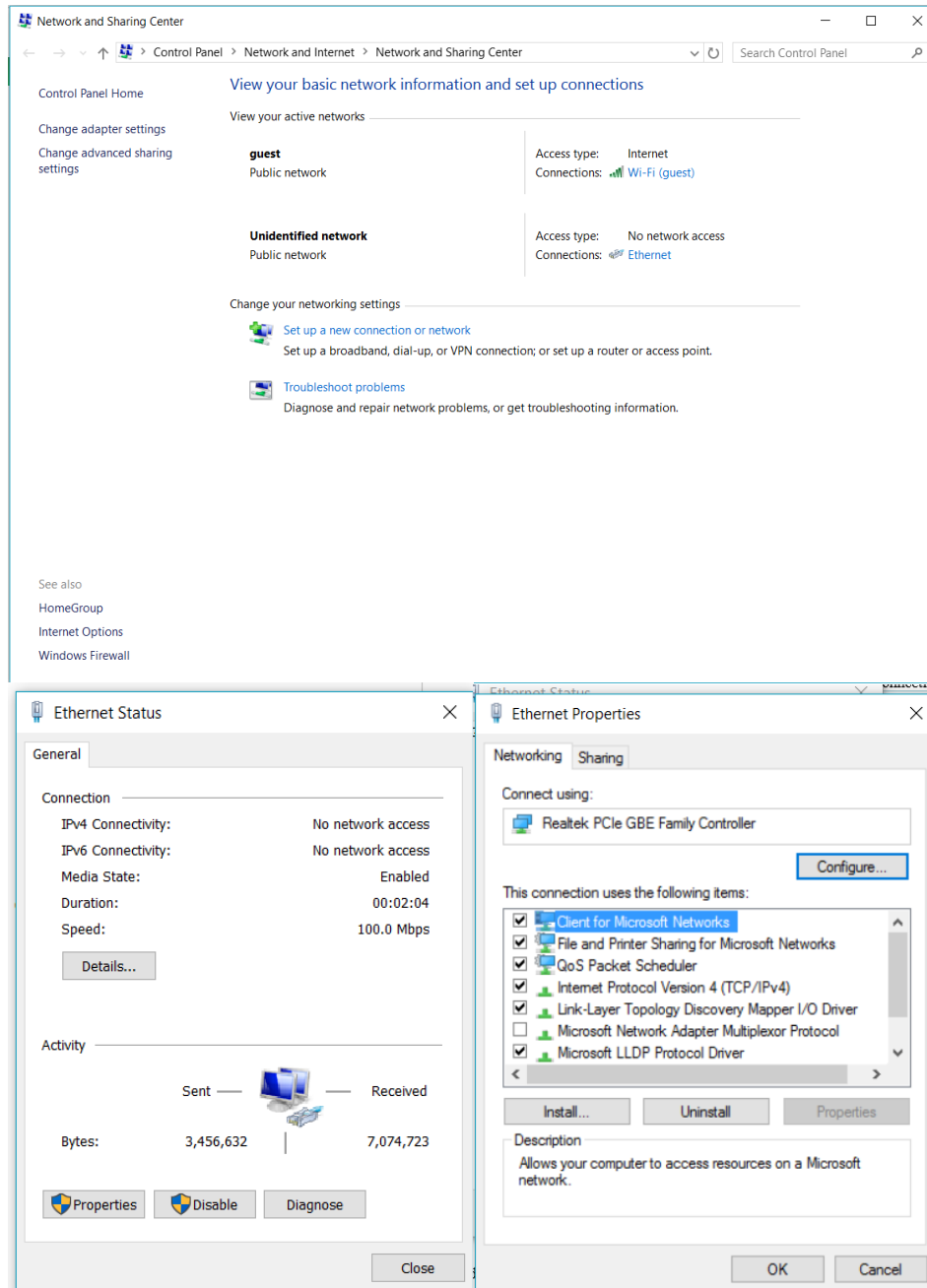


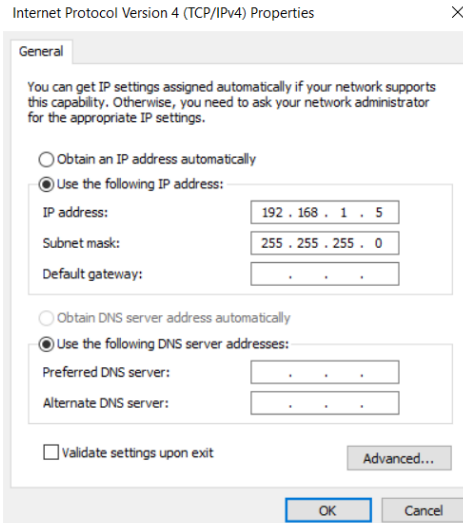
3. Go to my preference→webservice→ choose the enable FTP server to yes incase you need to reset the embedded webservice password choose the reset menu and click yes.



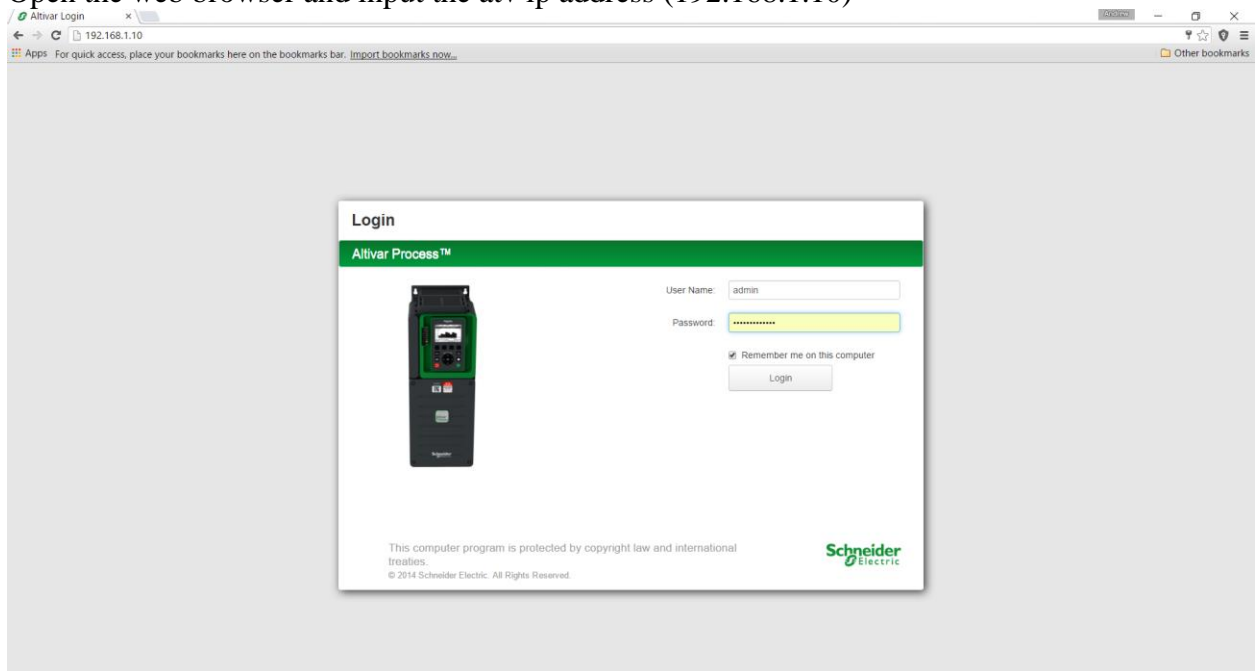
5. In your computer open the network and sharing → Ethernet connection → properties → internet protocol version 4 (TCP/IPv4) properties → choose the following IP address:

- IP address: 192.168.1.5 \*set the ip address different from the ip address in the atv
- Subnet mask: 255.255.255.0





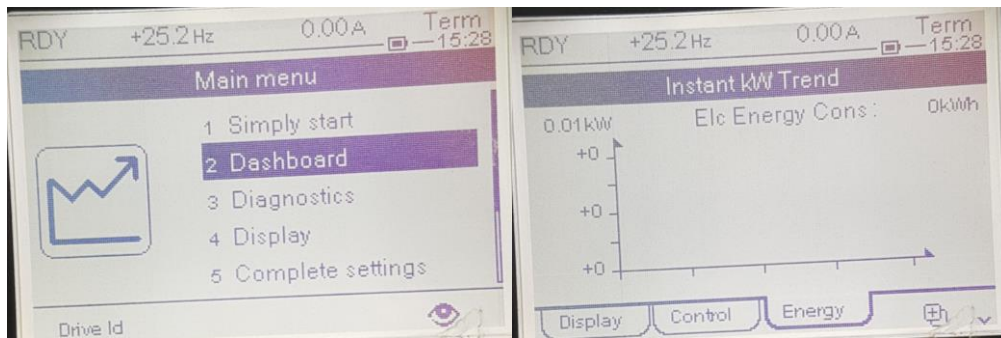
6. Open the web browser and input the atv ip address (192.168.1.10)



7. Login to the webservice, default username: admin password:admin

## Display the kWh Meter (embedded) in the HMI

Go to main menu → dashboard → choose the energy tab



## Section 4: Remark

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- Always check the ip address setting in the atv and in the computer setting make sure set a different ip address.
- Reset the webserver password incase there already password from the other user.
- The default username and password for the webserver is admin (check the capitalize word)