

# DHCP-Server for ISTA

## For what is it needed?

If the ICOM is directly connected to the PC, this could lead to a connection being broken during programming (flashing), which can destroy ECU's. To use the ICOM, BMW recommends operating it in a network, i.e. not connecting it directly to the PC, but connecting the ICOM and the PC to a router (e.g. a Fritz!Box at home). The same recommendation also applies to the ENET cable, whether with ISTA or with E-Sys. This problem can also be solved with a software DHCP server on the PC (so you can connect directly to the PC again), e.g. here with Tftpd64 instead of a real router.

## How does it work?

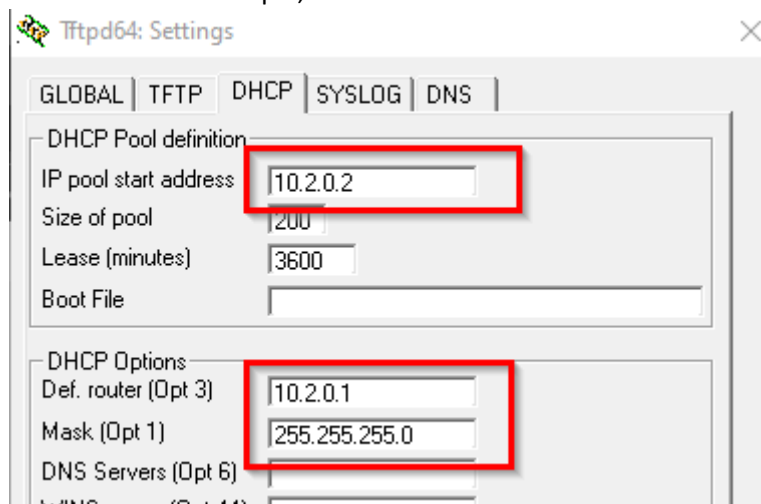
As an example, I have put together a package from NetSetMan and Tftpd64 (both included in the archive), with the right settings that you can adapt to your needs, if you want. This switches the network card to fixed IP and then starts Tftpd64 as a DHCP server.

## How to install?

Just extract into any folder.

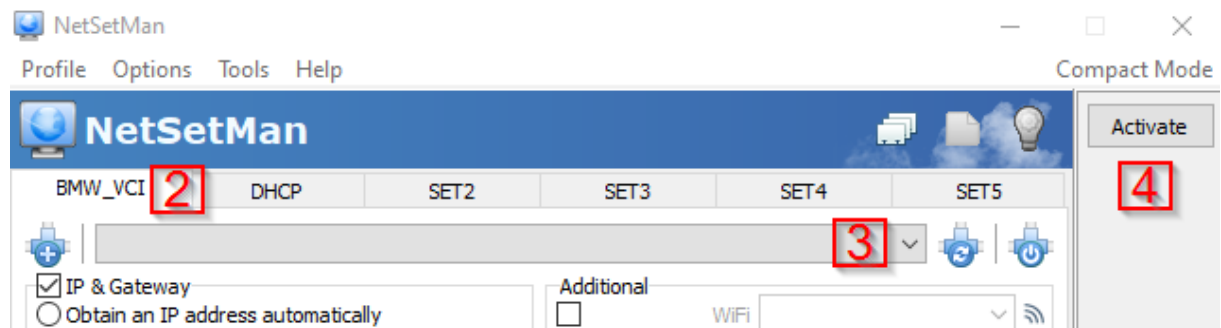
## What do you have to prepare?

In the ICOM userinterface you have switch to DHCP under LAN settings, or leave static and assign an IP that is within the IP range set by Tftpd64. In this example is the IP range from 10.2.0.2 to 10.2.0.254. For example, for the ICOM Select 10.0.0.99.



### How do you use it?

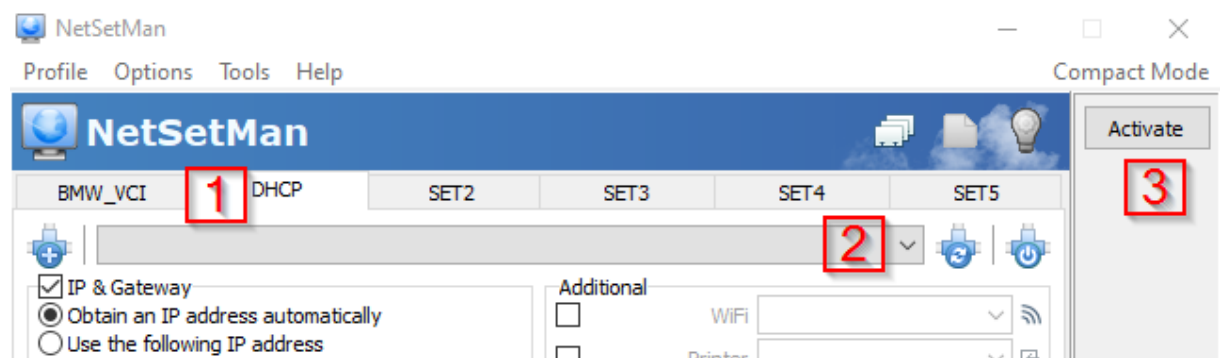
1. start NetSetMan.exe.
2. select BMW\_VCI profile.
3. select the correct network card.
4. click Activate.



5. the IP address of the network card change to a fixed IP.
6. Tftpd64 starts automatically.
7. DHCP-Server is running.
8. now you can connect to the ICOM / ENET.

### What is after using ISTA?

1. select DHCP profile in NetSetMan.
2. select the correct network card.
3. click Activate.



4. Tftpd64 close automatically.
5. the IP address of the network card change to a DHCP (automatic).
6. DHCP-Server is off.