

# How to connect Time Guardian (TG) version 5, TG Plus, or TG Pro to Handpunch clock via Ethernet network

173 [Frank Mateo](#) Thu, Feb 17, 2011 [HandKey Terminals](#), [Time Guardian Series \(TG 5.x, TG Plus 2.x, TG Pro 4.x\)](#) 0 17429

Amano recommends these instructions on how to connect Time Guardian (TG) version 5, TG Plus, or TG Pro to HandPunch (HP) Terminal via Ethernet network.

*Use the following procedure:*

- Set the IP, host bits (also subnet), gateway on the HP terminal
- Perform a ping test
- Using Time Guardian, from the main menu go to **edit > setup wizard**
- Click on the **Clock** tab and select **Yes, Yes, No, Yes**
- Click on the **Location/Terminal** button
- Click on the garbage can icon if it says fpt or mtX
- Click on the **Plus** icon to create a New terminal
- Enter HP in the Name field

- Select from the Term Type drop down the Model of HP terminal you are connecting to
- Click the Connection tab and select **Ethernet**
- Enter the IP address and verify **Port 3001** is entered
- Next, click on the terminal tab and select the **Add** button
- Set the terminal # = **0**
- Change the validation to **default**
- Verify that Active is checked
- Click the green check mark to Save
- Click the green check mark again to Save
- Click the green check mark again to Save
- From the TG Tree View [left-hand side] select the **Communications Module** [can be found under the "**Daily Activities**"]
- Highlight the HP terminal and use the 4 green buttons on the right-hand bottom for communication activity with the terminal.
- For example, press 2nd from left to set the time - this will test communication with the HP terminal.

**Note:** if this fails: tcp 3001 port may be blocked by a firewall(s).

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