AIPHONE

Custom Order Products

# TCW-HA

## Headset Adaptor for TC-M Master

### - SUPPLEMENT TO TC-M INSTRUCTIONS -

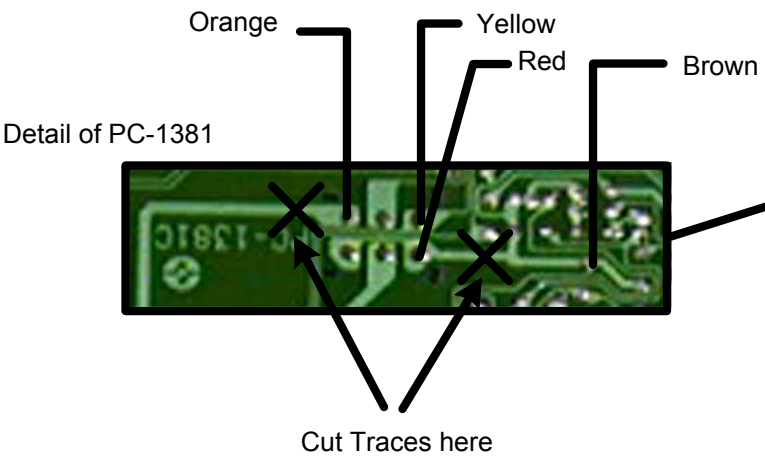
The TCW-HA is an adaptor that allows the connection of a headset to a TC-nM master. The adaptor allows either the standard handset or a customer provided headset to be used for communication.

## Connecting TCW-HA to Master:

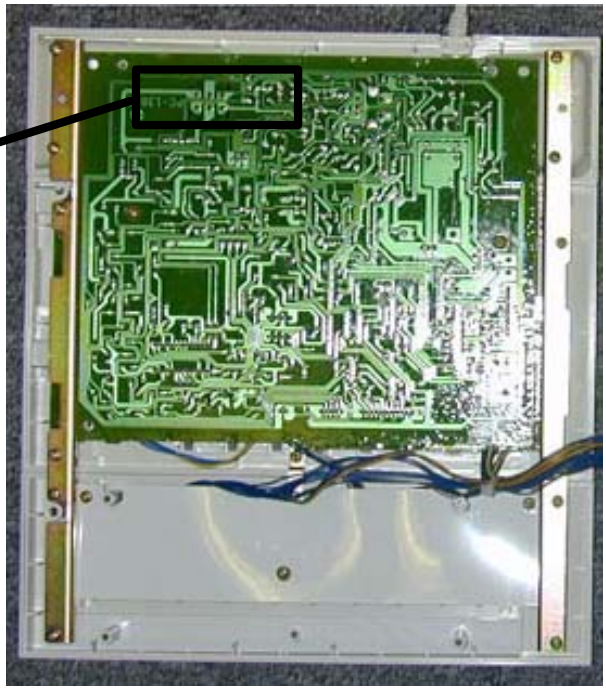
1. Open TC-nM Master.
2. Mount supplied "PCBTBM02" as shown in photo.
3. Remove isolation sheet from PC-1381
4. Remove PC-1381
5. Disconnect handset from "CN-5"
6. Connect plug from "PCBTBM02" to CN-5
   (Where handset was just disconnected)
7. Plug handset into CN-5 of "PCBTBM02".
8. Re-mount PC-1381.
9. Connect 4 wires from "PCBTBM02" to switch on PC-1381.
   (See illustration)
10. Cut traces on PC-1381 (See illustration)
11. Replace isolation sheet on PC-1381.
12. Remove rubber plug from the back of the TC-nM master.
13. Feed wire of TCW-HA into TC-nM master via opening.
14. Plug TCW-HA into CN2 of "PCBTBM02".
15. Close TC-nM master.
16. Plug headset into TCW-HA adaptor
17. Apply power to unit.
18. Put switch of TCW-HA into desired position, Headset or Handset. Appropriate colored LED will illuminate. Red when TCW-HA is in "Handset" mode, Green when it is in "Headset" mode.

Mount "PCBTBM02" here
(With Supplied Screws)

## Connecting 4 wires from PCBTBM02 to PC-1381




PC-1381
(Shown mounted in TC-10M)



**OPERATION:**

* POWER SWITCH ON THE BACK OF THE MASTER MUST BE ON FOR SYSTEM TO BE OPERABLE.

**TCW-HA switch in "Handset" position:**

1. When a station calls in, pick up the handset and press the selector button corresponding to the lit LED.
2. Speak to the person at the remote station through the handset.
3. When the conversation is completed, hang up the handset.

**TCW-HA switch in "Headset" position:**

1. When a station calls in, press the selector button corresponding to the lit LED.
2. Speak to the person at the remote station through the headset.
3. When the conversation is completed, have the calling party hang up their handset.

**SPECIFICATIONS:**

| | |
|---|---|
| Power Source: | 18V DC, 350 mA or 16V AC, 750 mA. Use PS-1820UL. |
| Consumption: | 6W max. 3W (standby) |
| Calling: | TB-SE sub's call-in is annunciated with intermittent tremolo tone and a red LED, both of which will continue until the call is answered or the TB-SE is replaced on it's cradle. Door station call-in is annunciated with intermittent tremolo tone and a red LED both of which will continue for approximately 40 seconds. |
| Communication: | Master to TB-SE: Simultaneously by handset<br>Master to door station: Simultaneous. Master uses handset, door station is hands free. |
| Wiring: | 2 conductors homerun from TB-SE to master<br>2 conductors homerun from door station to adaptor<br>5 conductors TB-*n*M to TB-AD1<br>14 Conductors TB-*n*M to TB-AD10<br>14 conductors TB-*n*M to TB-ADM10, Plus 6 conductor TB-ADM10 to MYH-CU |

***For additional information about this system, please refer to the TC-M instructions.***

**CAUTION**

* Do not connect any incomming AC wires to any terminal on any unit, as damage may occur. Connect only specified power source to + and - terminals.
* Do not install more or different power sources than specified for the system.
* Do not attempt to install or connect wires on the TBM system while the system's power supply is plugged in.
* TBM masters and related equipment, unless specified as "weather resistant", are designed for indoor use only. Door stations (IF-DA, IE-JA,) may be installed outdoors in a protected area. Do not expose any equipment directly to rain or extreme weather conditions.

**IMPORTANT**

* Any other manufacturer's products installed with the system (power supply, external device, etc.) are not covered under Aiphone's warranty.
* Do not mount TBM equipment in the following places, as it may cause the system to malfunction:
  - High or extreme cold temperature areas: under direct sunlight, near equipment that varies in temperature, in front of air conditioner, inside a refrigerated area, etc.
  - Places subject to moisture or humidity extremes.
  - Places subject to environmental conditions, such as dust, oil, chemicals, salt, etc.
* TBM units are electronic devices, which must not be subjected to water or any other liquid.
* Severe weather conditions, such as lightning storms, may cause damage to TBM equipment. We recommend that power surge protection be installed to minimize potential component level damage.
  - Install the SA-1 surge arrestor to protect the power supply from a surge.
  - Additional SA-1 surge arrestors should be installed on all communication lines (one SA-1 for every two connected to master.).

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