



Model: MCU004 Remote Control Unit Setup Guide

MCU-004 grouping and priority setting procedure for TZT

1. Connection

- 1.1. **TZT9 and TZT14** have one USB port on the back of the unit which is called the "Common USB Port".
 - a) Connect the MCU-004 to the Common USB Port on the TZT9 and TZT14 units with the TZT powered off.
 - b) Power on the TZT after the MCU-004 is installed. You should hear the MCU-004 make an audible beep and the backlit buttons and ring around the roto knob should illuminate.
 - c) Test the MCU-004 for normal operation.



- 1.2. **TZTBB** has 6 USB ports. A "USB Common Port" plus an additional 5 ports below.
 - a) The MCU-004 should <u>ONLY</u> be connected to USB-4 or the Common USB Port on the TZTBB.
 - b) Power on the TZTBB after the MCU-004 is installed. You should hear the MCU-004 make an audible beep and the backlit buttons and ring around the roto knob should illuminate.
 - c) Test the MCU-004 for normal operation.

2. <u>Settings</u>

- 2.1. Set a nickname for **each TZT** to avoid the duplicate nickname error message and to help determine which MCU you are configuring.
 - a) Enter the 'Sensor List' page located in the 'Initial Setup' menu. (Menu -> Initial Setup-> Sensor List)
 - b) Press the keyboard icon 📟 to edit/change the device nickname.

Name	Nickname	Version	IP	Hostname	Each TZT nickna needs to be unique
TZTBB	TZTBB_FB	05.01:05.01:01.02	172.31.252.4	ME202004	needs to be unique
TZTBB	TZTBB_PORT	05.01:05.01:02	172.31.252.3	MF252003	
TZTBB	TZTBB_STBD	05.01:05.01:01.02	172.31.252.1	MF252001	
TZT14	TZT14	05.01:05.01:01.01	172.31.252.2	MF252002	

2.2. Remote Controller Configuration

a) Once you have finished changing the TZT's nicknames, enter the 'Remote Controller Configuration' menu.

(Menu -> Initial Setup-> Remote Controller Configuration-> Config.)

	Charts Master Device
Error: duplicate MFD nickna	mes found on the network.
0	k IP Andress
	Servicemen

If two or more or more MFDs (TZTs) have the same device nickname, then you will see the above error

You will not be able to enter the Configuration Menu Page if two or more MFDs (TZTs) nicknames are the same

- b) A warning message will appear prompting you to turn on all MFDs and connect all MCUs (if you haven't done so already).
- c) Once you have verified all MFDs are on and MCUs are connected, press 'OK' to enter the configuration menu.

	Menu Initial Setup	Close
	FAX-30 Browser	Targets
	FA-30 Browser	Alarm
	FA-50 Browser	Alam
		Files
<u></u>		Units
Please startup all MFD, con setup all MFD nicknames b	nect all MCU devices and efore beginning the configuration.	detected Camera
		31.252.4 Initial Setup
	Event/Buzzer Port Configuration Event I	
	Event Input Configuration	off 💿
	Update Network Equipment	aunch
	Remote Controller Configuration	onfig.
	Reset Default Settings	Reset

FURUNO USA, Inc. MCU-004 grouping and priority setting procedure for TZT

- d) Before you make any changes to the priority settings, scroll down and verify/identify that all TZTs and MCU-004s are being recognized and are being displayed in this settings page.
- e) Set the grouping and control priority.

ICU-004 Currently Used	MCU1
MFD Currently Used	TZTBB_FB
ACU1 - TZTBB_FB	
ZT14 Priority	2 😔
ZTBB_FB Priority	1 😔
ZTBB_PORT Priority	3 😔
ZTBB_STBD Priority	4 📀
ICU2 - TZTBB_PORT	
ZT14 Priority	3 😔
ZTBB_FB Priority	2 😔
ZTBB_PORT Priority	1 😔
	Reset Confirm

For Example

If you want the MCU1 to only control the TZTBB_FB and not be able to switch/control other TZTs, then you would change other TZT's Priority setting to **Off**, and then set the TZTBB_FB (or whatever TZT/s you want to control) **to 1**.

Now let's say you want the MCU2 to switch between all other TZT's but not switch to/control the TZTBB_FB. You now select TZTBB_FB Priority to **Off** and then set the priority number for the other TZT's **in order**. The priority value determines what MFDs the MCU controller will switch to, and in what order.

For example, when you press the Swap MFD Function button on the MCU2, the MCU will first control the TZTBB_PORT, then the TZTBB_STBD, and lastly the TZT14.

MCU-004 No. and what TZT that controller is connected to	MFD Currently Used MCU1 - TZTBB_FB	TZTBB_FB	Display switching order for MCU1. (Range: 1-10, OFF)
	TZT14 Priority TZTBB_FB Priority	Off ⊙ 1 ⊙	Do not select everything to "OFF".
MCU-004 No. and what that TZT controller is connected to	TZTBB_PORT Priority TZTBB_STBD Priority MCU2 - TZTBB_PORT	off ⊙ off ⊙	Do not use numbers more than once per MCU-004.
	TZT14 Priority TZTBB_FB Priority	3 ⊚ Off ⊚	
	TZTBB_PORT Priority TZTBB_STBD Priority	1 () 2 ()	

 f) Once you have configured your MCU Priority settings, press 'Confirm' to save the settings and then press 'Close' to exit.

3. <u>FAQ</u>

Q: When I press the confirm button, I get an error message stating *"Duplicate orders exist in a MCU configuration."* What am I doing wrong? A: Take a look at your TZT priority values. You can't have two TZTs on the same Priority number. Remember, the priority value is the order the MCU will switch between TZTs. The MCU-004 can only control one TZT at a time.

Q: I have two MCU-004s and two TZTs. How do I configure the priority settings so that the MCU will only control the TZT that it's connected to? A: Simply set the TZT that your MCU is plugged into to 1 and set all other TZTs to Off. This will make the MCU will only control the TZT that it is plugged into, even if you accidently press the Swap MFD Function button on the MCU. The MCU will continue to only control the TZT its plugged into.

> Example of MCU only controlling the TZT it's directly connected to

D. Currently Lised	TZTBB_FB
D Currently Used	IZIDD_FD
CU1 - TZTBB_FB T14 Priority	off 🕤
TBB_FB Priority	1 💿
TBB_PORT Priority	off ⊙
TBB_STBD Priority	Off 🕞
CU2 - TZTBB_PORT	
T14 Priority	3 🕑
TBB_FB Priority	off ⊙
TBB_PORT Priority	1 😔
TBB_STBD Priority	2 🕑
нер	Reset
Current Hardware Information	
MCU-004 Currently Used	MCU2
MFD Currently Used	TZT14
MCU1 - TZTBB_FB	
TZT14 Priority	off 🕑
TZTBB_FB Priority	1 😔
TZTBB_PQ	off 🕑
Duplicate orders exist in a MCU configuratio	
MCU2 - 12.00_1 011	
TZT14 Priority	1 🕑
TZTBB_FB Priority	Off 🕑
TZTBB_PORT Priority	1 🛞
TZTBB_STBD Priority	2 🛞
Current Hardware Information	
MCU-004 Currently Used	MCU2
MFD Currently Used	TZT14
MCU1 - TZTBB_FB	
TZT14 Priority	Off 😔
TZTBB_FB Priority	1 😔
TZTBB_PORT Priority	Off 😔
TZTBB_STBD Priority	Off 😔
MCU2 - TZTBB PORT	
TZT14 Priority	off ⊙
TZTP9_FB Priority	Off 😔
TZTBB_PORT Priority	1 😔

Q: Can we enter the 'Remote Controller Configuration' from a MFD which doesn't have the MCU connected to it? A: Yes, at a minimum, there must be at least 1 MCU connected to a TZT, that is on the same network, for the Configuration menu to show up and be accessible.

Q: What does the *"MCU-004 Currently Used"* mean?
This selection doesn't populate on one of my TZT14s.
A: The *"MCU-004 Currently Used"* selection lets you know what MCU remote is currently in control of that TZT. If this selection is blank/empty, then you

MCU-004 Currently Used	
MFD Currently Used	TZT14

currently don't have a MCU set to control that TZT. Try using the Swap MFD Function button on the MCU to swap to that TZT.

Q: What If I skip a number in the priority setting?

A: The TZT will automatically fix/change the priority number once you have saved (selected Confirm) the settings and closed the menu. You will notice, if you re-open the configuration menu, that the priorities have corrected themselves as shown below.



Q: What will happen if all of my priority settings are set to **Off?**

A: DO NOT select all priorities to Off. This will remove all restrictions on the MCU which can cause multiple MCU's to try and take control of the same MFD which can lead to <u>major glitches</u> and/or failures to the USB port, TZT, and/or <u>MCUs.</u>

Current Hardware Informati MCU-004 Currently Used MCU2 MFD Currently Used TZT14 MCU1 - TZTBB FB TZT14 Priority Off 😔 TZTBB_FB Priority 1 😔 TZTBB_PORT Priority Off 😔 TZTBB_STBD Priority Off 😔 MCU2 - TZTBB_PORT TZT14 Priority 1 😔 TZTBB_FB Priority Off 😔 TZTBB_PORT Priority 2 😔 TZTBB STBD Priority Off 😔



Auto correction