

# Furuno Fred says...

Tips, tricks and suggestions from the experts!

## How To: Mixing NavNet Generations, Including Maximum Processor Limits

July 11, 2019  
Furuno Fred #2019-04

Some mixing of different generations of the award-winning NavNet product line is allowed. However, some limitations must be accepted due to differing capabilities of the various generations. Please discuss these limitations and installation plans with Furuno when considering any mixed network configuration. What follows is a general guide to mixed networks, which is not intended to be all-inclusive.

Series	With Series	Allowed	Comments
NN1	VX2	YES	Requires special configuration of NN1 settings
NN1	Beyond VX2	NO	Will not network with NN3D, TZT, or TZT2
VX2	NN3D	NO	Will not network with NN3D, TZT, or TZT2
NN3D	TZT	YES	NN3D will act as Master; wiring & operation limits apply
NN3D	Beyond TZT	NO	NN3D can not be networked with NN1, VX2, or TZT2
TZT	TZTL*	YES	Processor and Operation limits apply
TZT	TZT2BB	YES	Processor and Operation limits apply
TZTL*	TZT2BB	YES	Processor limits apply (see below)

\*TZTL = TZTL12F & TZTL15F

When building a NavNet network, each generation and mixed network configuration has a maximum number of processors that can be used in the network. A processor is defined as an MFD, BB processor or PC residing on the network.

Series	When Mixed	Max Processors	Comments
NN1		4	
VX2		4	
VX2	NN1	4	
NN3D		6	In theory it is possible to have up to 10 with the NN3D but other restrictions apply
TZT		6	
TZT	NN3D	6	
TZTL		4	Limited to 4 when software is v5 and below
TZTL*		6	Requires v6 and above
TZTL*	TZT	6	Requires both systems have software v6 and above
TZT2BB		4	Each TZT2BB can support two independent screens
TZT2BB	TZTL*	4	Requires v6 and above

\*TZTL = TZTL12F & TZTL15F

Please contact our Technical Support Departments in Denton MD or Camas WA with any questions you may have and we will do our best to assist in creating a successful integrated NavNet package. We look forward to providing you more of these useful technical tips in the future.