



ZF Marine Electronics  
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## System Configuration Worksheet

To ensure that ZF Marine Electronic's products are applied properly, this work sheet **MUST** be completed. Many engine manufacturers now offer electronic fuel management systems, while the reduction gear manufacturers offer electric and electronic control of shifting. The control system supplied must fit the vessel requirement.

Date \_\_\_\_\_

Your Name:			
Address:	Street:		
	City:	State:	
	Postal Code & Country:		
Contact Name:		Telephone:	

Builder:		Hull #:	
E-Mail:		Fax:	
Vessel Owner:		Vessel name:	

<b>Requirements</b>			
<b>Select One:</b>			
Main Propulsion:		Bow Thruster:	Other:
Number of Stations:		Locations:	
<b>Propeller Shaft Brakes</b>			
Yes		No	
<b>Engine Synchronization</b>			
Yes		No	Supplied By:
<b>Dynamic Positioning System</b>			
Yes		No	Type:

<b>Vessel</b>			
Type:		Length:	No. of screws:
<b>Vessel Classifications:</b>			
ABS	BV	DNV	GL LRS RINA
Other: (Explain)			

<b>Propulsion Machinery</b>			
Engine Manufacturer			
Model:		HP:	RPM:
<b>Select One:</b>			
Mechanical Governor			
Pneumatic Governor	Pressure Requirement:		
Electronic Governor	Signal Type:	Range:	



<b>Marine Transmission Manufacturer</b>				
Model:		Ratio:		
<b>Select One:</b>				
Pneumatic Clutch		Size:		
Hydraulic Clutch				
<b>Select One:</b>				
Mechanical Selector		Solenoid Selector		
<b>2-Speed:</b>				
Yes		No		Ratio:
<b>Trolling Valve:</b>				
Yes		No		
<b>Select One:</b>				
Mechanical Interface		Solenoid Interface		
ZF AutoTroll		Electric Interface		
Pneumatic Interface				

<b>Drive Manufacturer</b>		<b>Model:</b>	
<b>Select One:</b>			
Fixed Pitch Propeller			
Controllable Pitch Propeller		Controllable Pitch Propeller	
Surface Drive		Surface Drive	
Water Jet		Water Jet	
Other		Other	

<b>Purpose:</b>			
1. Determine Control System type.			
2. Select Control Head Model preference.			
3. Determine Wire Harness length requirements.			
<b>Instructions:</b>			
1. Provide cable length requirements for ALL wire harnesses, designating port and starboard on the chart when required. Only applies to wire harnesses and electrical cable supplied by ZF Marine Electronics, LLC.			
2. Check the appropriate application:			
9000 Series MicroCommander			
9000 Series ClearCommand			
CruiseCommand			
			Port Starboard
Item	Qty	Description	Cable Lengths
1		Flybridge Control Head Harness	
2		Pilot House Control Head Harness	
3		Throttle Cable Harness	
4		Clutch /Troll Cable Harness	



5		Power and Start Interlock Cable		
5A		Tachometer Feedback		
6		Serial Communication Cable		
7		Hand Held Kit		
7A		Hand Held Control On 25' Cord		
7B		Receptacle Kit	50 , 100 , 150	
7C		Relay Box		
8		Automatic Power Selector?	Yes	No
8A		All Pluggable Harnesses?	Yes	No
9		Control Head		
10		Control Processor		

## Note:

1. Hand Held Kit includes:
  - a Hand Held Control on 25' cable.
  - b Receptacle Kit available in 50', 100', 150' lengths
  - c Relay Junction Box - up to 3 receptacle kits may be installed in a Relay Junction Box.
2. 9000 Series MicroCommander will operate with up to 5 Stations connection to Engine and Gear is via push-pull cable (not supplied by ZF Marine Electronics).
3. 9000 Series ClearCommand will operate with up to 5 Stations possible.
4. CruiseCommand will operate with up to 4 Stations.
5. SmartCommand will operate with up to 6 Stations

