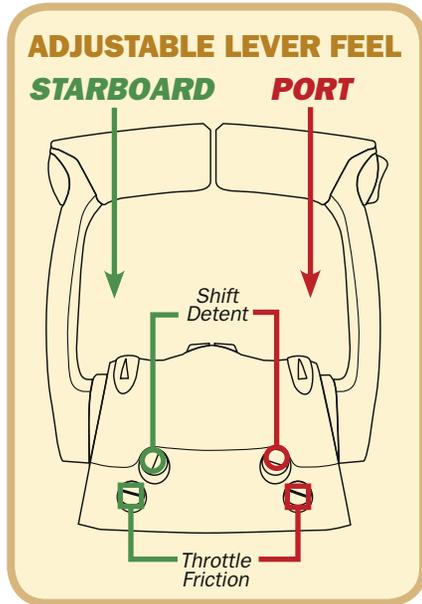


SEASTAR ELECTRONIC SHIFT & THROTTLE QUICK REFERENCE GUIDE

LEVER POSITION INDICATORS:

ENGINE TRIM CONTROL: (simultaneously trims all engines)



TAKE COMMAND BUTTON:

Used to take command of shift and throttle with a control head.

To take command with a control head:

- Match control lever positions with the active station and press **Take Command**.
- The adjacent lamp signals the transfer status as follows:
 - Steady **blue** ● – station is active and in control of shift and throttle.
 - Slow flashing **blue** ⚡ – station transfer from one station to another is underway. You have five seconds to match the control lever positions with those of the active station to complete the transfer.
 - Fast flashing **blue** ⚡ – a control head or actuator warning fault is active.
 - Lamp off ○ – station is inactive.

Note: If the lamp does not come on when you press **Take Command**, Station Protection may be enabled. See the user's manual.

TROLLING MODE (TM):

Provides greater throttle sensitivity: moving an engine's control lever to full forward will only produce a percentage of wide open throttle. The default TM throttle limit is 50% in Forward, and 100% in Reverse.

Very slow flashing **green** N lamps (one second on, two seconds off) indicate that trolling mode is engaged. ⚡

To engage TM:

- Move one or both control levers to the forward idle or reverse idle positions. The other lever must be in the same position or in Neutral.
- Press either **N** button. Both lamps will flash **green** slowly – TM is engaged. ⚡

To disengage TM:

- Move both control levers to forward idle or reverse idle position.
- Press either **N** button. The flashing **green** lamps will go out – TM is disengaged. ○

PLEASE KEEP ON BOAT

OVER

INDICATOR DIMMING FEATURE:

When the control head is active, pressing **Take Command** repeatedly will cycle through five available indicator brightness levels. ●



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NEUTRAL THROTTLE WARMUP (NTW):

NTW allows throttle control without gear engagement. A slow flashing **green** N (Neutral) lamp indicates that NTW is engaged for this engine. 🌟

To engage NTW:

- Move engine's lever to the Neutral position. **Green** lamp goes steady. ●
- Press the corresponding **N** button. The N lamp flashes **green** to indicate that NTW is engaged. 🌟

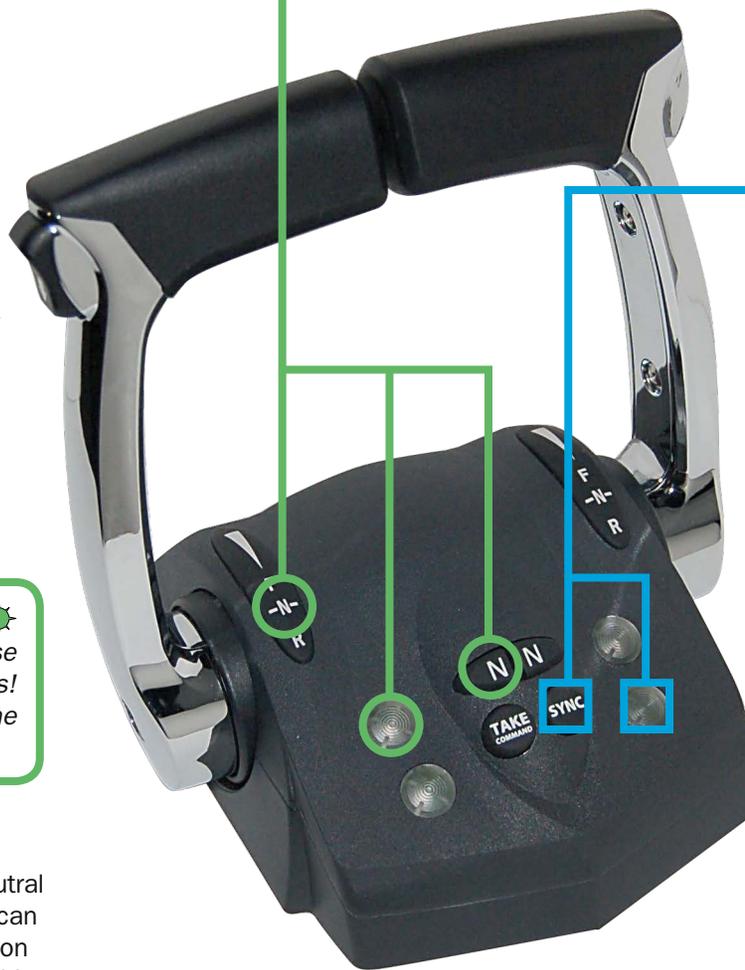
To disengage NTW:

- Return engine's lever to the Neutral position.
- Press the corresponding **N** button. The lamp will light steady **green**. NTW is disengaged and the engine and transmission will respond normally to lever commands. ●

NOTE: The flashing **green** N (Neutral) lamp 🌟 indicates the status of NTW or TM. Please exercise caution when engaging/disengaging these modes! A steady-on Neutral lamp ALWAYS indicates engine is in neutral. ●

To override Neutral Start Protection:

- In the event that an actuator fails in gear the neutral start protection function of the i7700 actuator can be overridden. To override neutral start protection depress the "N" button on the control head, hold it for 5 seconds and then start the engine with the button still depressed. Once the "N" button is no longer depressed the override of the neutral start protect feature is no longer active.
- **CAUTION: Use extreme care when overriding neutral start protection. Only use this feature if the actuator has failed and the actuator's manual override has been used to place the engine in neutral.**



MANUAL OVERRIDE: In case of emergency, a manual override is available on the shift and throttle actuators. A label on the actuator describes the override procedure.

For more detailed alarm information see User's Manual.

SYNC OPERATIONS:

You cannot enter Power Train Sync when Neutral Throttle Warmup is engaged.

POWER TRAIN SYNC (PTS):

PTS synchronizes engines and transmissions so that the port lever* controls shift and throttle of all engines. The lamp adjacent to the button indicates PTS status. A steady blue lamp means PTS is engaged. ●

To engage PTS:

- Press **Sync**. The **blue** lamp will flash. 🌟
- Match control lever positions within 5% of each other. The lamp will go steady **blue** to indicate that power trains are in sync. ●
- Starboard lever is now inactive and can be moved out of the way if desired.

To disengage PTS:

- Press **Sync**. The **blue** lamp will flash. 🌟
- Match control lever positions within 5% of each other. The **blue** lamp will go off – PTS is now disengaged. ○

* If the port lever is faulted the starboard lever will have control and the port lever will be inactive.



There are two types of faults – DANGER & WARNING

⚠️ DANGER FAULT A fast flashing red light indicates a critical fault which will result in limited or no system performance. Call for assistance, use an alternate controlling device, or use manual override in an emergency.

⚠️ WARNING FAULT A fast flashing blue light indicates a non-critical fault which may cause the boat speed to be reduced. The system will continue to operate.

