

# TTC 30 and TTC 10 Quick Reference Guide

For detailed operation description, see Online help. For more detailed information, see the TTC 30 and TTC 10 Instruction Manual.

## Getting started



1. Disconnect the TTC power cable from charging station.
2. Place the TTC unit in a suitable location.



3. Open the TTC case by pressing the handle knobs and pull the handles up.
4. Turn on the main power switch ON (D) in order to boot up the PC program (starting up the system will take approx. 1.5 minutes).
  - Online help is available on TTC screen/APOS screen.

## Turning unit OFF

1. Switch ON/OFF button (D) to OFF position.

## Acoustic Test

1. Connect the Test transducer cable to the upper right connector (B).
2. Place the Test transducer (Y) face to face with the transponder.
3. Communication between the TTC and the transponder may easily be tested by selecting the ACOUSTIC TEST tab → enter S/N → Transponder channel No. → INTERROGATE.
4. A green lamp will flash on the display if there is acoustic contact with transponder.
5. Press INTERROGATE button again to stop ACOUSTIC TEST.
6. To set TTC POWER use left/right arrows to choose power level → press SET to confirm your selection.

**Note!** The Test transducer is made for communication in air so make sure to limit TTC POWER to LOW.



## Transponder Configuration

### Establish connection with TP:

1. Connect the Serial line cable to the upper left connector (A) on TTC and the other connector to the bottom of the transponder (X).
2. Select TRANSPONDER CONFIGURATION tab in the main menu.
3. The TTC will automatically update TP information when connected.
4. The TTC is ready for configuration when GREEN line is visible.
  - If the line is red and no contact is made with the TP → check all cables and try again.

### Setup New Configuration:

1. Press buttons on the right hand side of the screen to change TP info.
2. Press DOWNLOAD NEW CONFIGURATION to update TP.
3. New TP info will appear on left hand side of screen.
  - If DOWNLOAD NEW CONFIGURATION is unsuccessful a red box will appear on right hand side with message 'Download config failed' → check all cables and try again.



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## TTC 30 and TTC 10 Front panel



The TTC 30 and TTC 10's touch screen is mostly used when performing Acoustic test and Transponder configuration. All other connections and buttons are explained below:

- A Connector** (with protection cap) for transponder Serial line used for transponder configuration.
- B Connector** (with protection cap) for Test transducer used for acoustic testing.
- C Connectors for USB and LAN.** For service personnel only. (Connection to network and possible APOS/PC program download via USB.)
  - Placed behind a waterproofed cover. Turn the screws to lift cover.
- D Power ON/OFF switch.**
- G Trackball** - used to position the cursor on the screen. A trackball movement + pressing the trackball down moves the cursor.
  - Left button: Used to click on buttons, operate menus and select displayed symbols.
- Right button: Used to display menus and pop-up windows. The most common trackball operations are; pointing, clicking and dragging.
- H Stand-by wake up**, with two LEDs indicating status.
- I Display light (-/+)** adjustment.
- J Power connector** - male 3-pins connector for the mains cable.
  - This cable (see L) is used to connect the TTC to a standard 110/230 Vac mains supply, to recharge the internal battery.
- K Gas lift springs.**
- L Battery charge cable** in lid folder - supplied with the unit.
- M Battery status indicator.** The battery should last for approx. 3 hours of continual use.

## Charging the battery

### During operation:

If the TTC battery indicator indicates LOW power then connect the charging cable.

### To start charging:

1. Connect the cable to the Power connector at the front of the TTC

- see (J) marked in the TTC Front panel overview on the left side of this page.

**Note!** Use the mains cable supplied with the system.

2. Connect the other end of the cable into a 110/230 Vac mains supply.
  - It is important that the battery is fully charged when the TTC is stored.

## Stand-by mode

When TTC PC is not in use for a certain time, it will go into Stand-by mode. This means that the screen will turn black. Touch the screen or move the trackball to return to Operation mode.

## TTC Maintenance

Clean the unit and charge the battery at least every 12 months.

## Support

All Kongsberg Maritime products:  
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