



# Tectalk Float



## Manual

English

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## Caution

IMPORTANT - READ ALL INSTRUCTIONS carefully and completely before operating your radio and retain this manual for future reference.

NEVER connect the radio to a power source other than the supplied battery pack. This may damage your product.

NEVER operate your radio with the antenna less than 5 cm from exposed parts of the body.

NEVER use the radio in or near a mining facility or other area which uses remotely triggered explosives or an area labeled "Blasting Area".

NEVER use or charge your radio in a potentially explosive atmosphere.

DO NOT place your radio in front of a vehicle airbag.

DO NOT operate your radio on board of an aircraft.

DO NOT use your radio with a damaged antenna.

DO NOT attempt to modify your radio in any way.

ALWAYS charge your radio at normal room temperature.

ALWAYS switch off your radio where notices restrict the use of two-way radio or mobile telephones.

ALWAYS replace the accessory jack cover when the jack is not in use.

ONLY use ALBRECHT approved rechargeable batteries with the supplied charger.

AVOID charging your radio or battery pack while is it wet.

AVOID storing or charging your radio in direct sunlight.

AVOID storing or using your radio where temperatures are below -20°C or above +60°C

Please observe the country information on the gift box and on our internet server **service.alan-electronics.de**.

## Scope of Delivery

- Tectalk Float Radio with Antenna
- Li-Ion battery pack
- Desktop charger
- Power adaptor
- Belt Clip
- Adapter for ALBRECHT headsets

# Installation

## 1 Removing the belt clip

- a. Pull the belt clip latch away from the unit
- b. While pulling the belt clip latch, push up the belt clip as shown in Figure 1

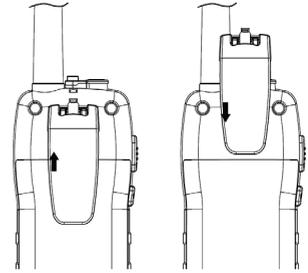


Figure1

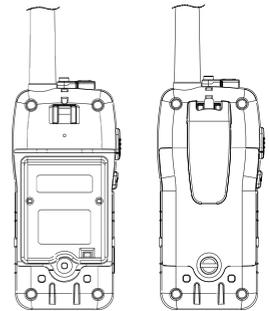
Figure2

## 2 Installing the belt clip

- a. Slide the belt clip into the slot as shown in Figure 2
- b. A “click” indicates the belt clip is locked into position

## 3 Installing the supplied Li-ion rechargeable battery

- a. Unscrew the screw and then remove the battery door.
- b. Insert the battery connector into the socket located inside the battery compartment and install the battery pack.
- c. Re-install the battery door and tighten the screw



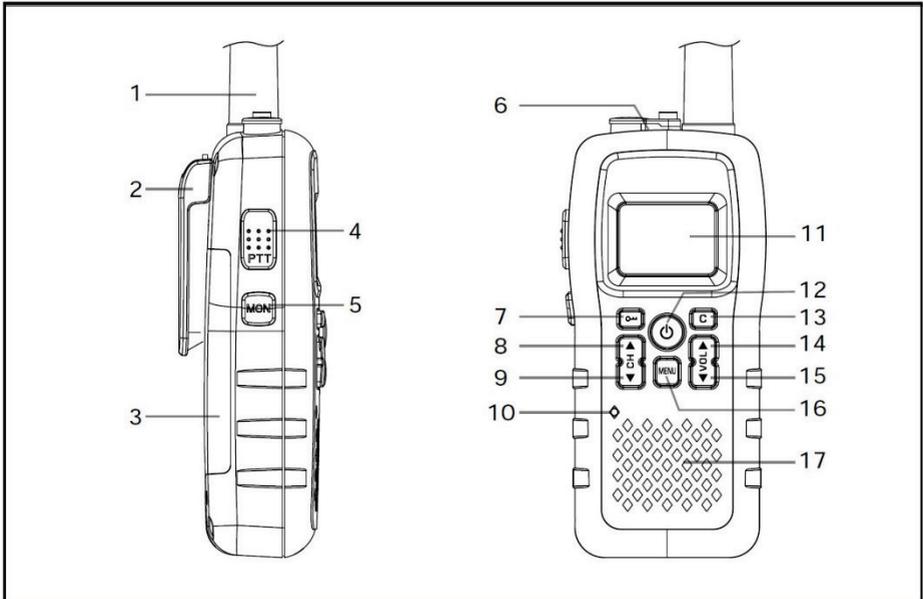
## 4. Charging the rechargeable battery pack

It is recommended to turning OFF the unit while charging.  
Charge the Battery pack 10-14 hrs. prior to initial use.



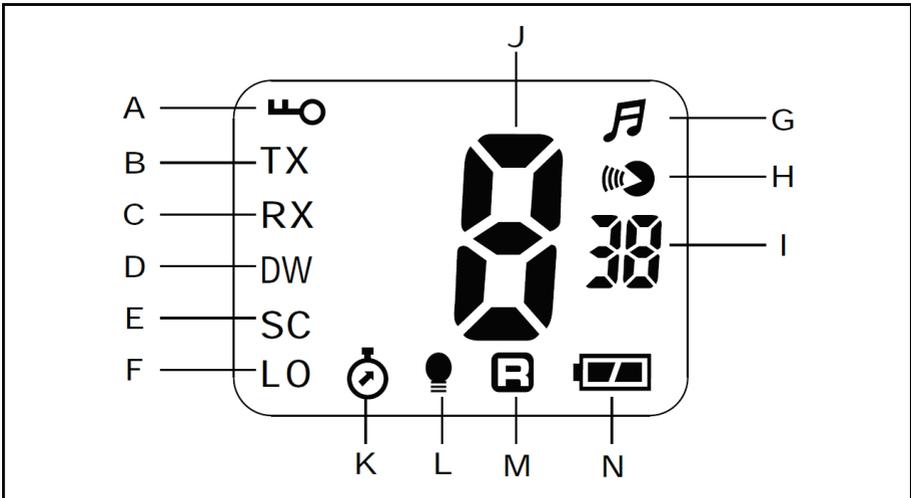
When the battery capacity is low, the **bA Lo** indication and the battery status icon will flash on the LC Display. Recharge the battery pack at this time, please refer to the following item "BATTERY CHARGING".

# Controls and Indicators



1. High efficiency antenna
2. Belt Clip
3. Battery door
4. PTT (Push-To-Talk) **PTT** button
5. Lamp/Monitor **MON** button
6. External earset-microphone jack
7. Key Lock **KEY** button
8. Channel UP **▲** button
9. Channel DOWN **▼** button
10. Built-in Microphone
11. Backlighted LC Display
12. ON-OFF **⏻** button
13. Call Tone **C** button
14. Volume UP **▲** button
15. Volume DOWN **▼** button
16. Menu button
17. Built-in Speaker

## LC Display



- A. Keypad LOCK icon - is lighted when buttons are locked.
- B. TX icon - is lighted on when the radio is in transmit mode.
- C. RX icon - is lighted on when the radio is in receive mode.
- D. DW icon - Dual Watch function
- E. Scan icon - Automatic channels or CTCSS code scanning
- F. LO icon - Transmitter Low Power icon
- G. Keypad Beep Tone icon
- H. VOX (hands-free use) icon
- I. CTCSS Code number(1-38)
- J. Selected Channel Indication (1-8)
- K. Stop Watch function icon
- L. Power save function icon
- M. Roger Beep function icon
- N. Battery Status Indicator

# Operation

## Power ON-OFF

1. To turn on the unit, press and hold the **ON-OFF** button, the LC Display will show the channel number and the CTCSS code number.
2. To turn off the unit, press and hold again the **ON-OFF** button.

## Using the radio

The unit has 8 main channels and 38 CTCSS codes for each channel. You can communicate with any other radios that are using the same main channel & CTCSS code.

## Speaking to other radios

1. Press and hold the **PTT** button, the **TX** icon will be shown in the LC Display.
2. Hold the unit in a vertical position with the microphone at 5-8 cm from the mouth and then speak.
3. When you have finished speaking, release the **PTT** button.
4. Now you are ready to receive incoming signals. Adjust the volume to the desired level if necessary.

## Time-out Timer (TOT)

The Time-out Timer disables transmitting after 3 minutes maximum transmission period. Transmitting can only be reactivated by releasing and pressing the **PTT** button again.

## Using a Headset

1. Connect the headset to the jack on top of the device.  
(to connect accessory with a 2.5 mm stereo plug use the supplied adapter)
2. Press the **PTT** button on the earphone to speak and release it to listen.
3. Adjust the volume if necessary.

Please note that the degree of protection IPX7 only applies if the headset jack is sealed with the rubber stopper.

## Channel Selection

Press the **CH UP** or **CH DOWN** to select the desired channel (1-8). The factory default start up channel is channel 1 and sub-channel 00. Before selecting a channel for communication, always listen on it to ensure it is not already being used. Always avoid selecting a busy channel when the unit keeps on receiving signal from unknown parties.

## Volume selection (8 Levels)

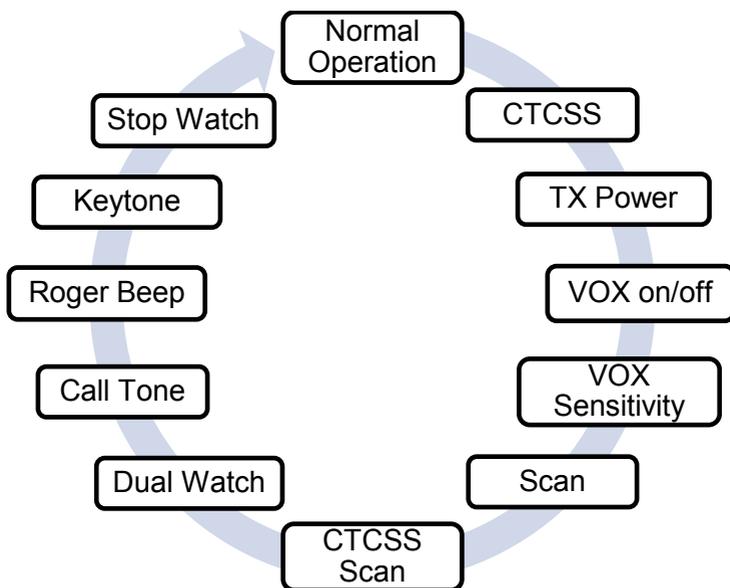
1. Press the **VOL UP** to increase the volume.
2. Press the **VOL DOWN** to decrease the volume.

The **LE** icon and the selected volume level (01-08) will appear on the LC Display.

## Additional Functions

### Menu Operation

Press **MENU** button to successively select these functions.



Press the **CH UP** or **CH DOWN** buttons to select the desired setting for the selected menu item. If you press and hold the **CH UP** or **CH DOWN** buttons, the selection will move quicker.

To confirm the selection and exit the Menu mode, press the **LOCK** button or **MENU** button to move to the next function.

### **CTCSS Code Selection**

The radio has 38 CTCSS private codes available. Different CTCSS tones may be associated to different channels. Selecting a CTCSS code of 00 will disable the CTCSS feature. To communicate between two or more radios, both the channel and CTCSS code selections must be the same. To communicate with other models and brands of radios, the actual radio frequency and CTCSS frequency must be matched. The frequency chart and CTCSS code chart are included to help with this selection.

### **Transmitter RF Power Setting**

Your radio has a HI/LO Power selection function. This function is very convenient to reduce the current drain and extend battery life when communicating within short distance.

### **VOX Function**

Your radio is equipped with a user selectable Voice Operated Transmitter function (VOX), that is used for automatic voice transmission (hands-free use or baby room monitor use). In this mode, transmission is automatically initiated by speaking into the microphone and there is no need to push the PTT button (hands-free use or baby room monitor use). You can plug in the earset-microphone for hands-free talking and listening. When VOX feature is on, the VOX icon will appear on the LC Display.

### **VOX Sensitivity Level Selection**

The sensitivity, at which speech level the device begins to transmit is adjustable in five steps. The VOX level 05 indicates the highest VOX sensitivity.

### **Channel Scanning**

The direction of scanning can be determined by pressing the **CH UP** or **CH DOWN** buttons. If you press the **PTT** or **LOCK** button during the SCAN operation, SCAN will stop automatically and radio will

set the last used channel. When SCAN feature is on, the SC icon will appear on the LC Display and the Channel number is flashing.

## CTCSS tone Scanning

This function allows CTCSS tone scanning on the selected channel. Select the desired channel number and activate the CTCSS tone scanning. If you press the **PTT** or **LOCK** buttons during the SCAN operation, SCAN will stop and the radio will return to the last used channel. When the CTCSS-Scan feature is on, the SC icon will appear on the LC Display and the CTCSS Code is flashing.

## Dual Watch Function

The radio is equipped with a Dual Watch function that allows to monitor 2 different channels without the CTCSS code.

To set the Dual Watch function, please proceed as follows:

1. Select the first channel to be monitored.
2. Press the **MENU** button seven times, until the DW icon is displayed and the selected channel will blink on the LC Display.
3. Press the **CH UP** or **CH DOWN** buttons to select the second channel to be monitored.
4. Now the radio will start monitoring the two channels and will stop when a signal is received on one of the two stored channels.
5. To disable the Dual Watch function and return to Stand-by mode, press the **LOCK** button.

When the DW feature is on, the DW icon will appear on the LC Display and the channel number is alternating between the first and the second selected channel.

## Call Tone Setting

The radio is equipped with 5 user selectable Call tone Melodies. Press the **Call** button to transmit the Call Tone Melody.

## Roger Beep Tone Setting

The radio is equipped with a user selectable Roger Beep Tone feature, which enables you to send a Beep Tone at the end of each transmission after every release of the **PTT** button.

This will prompt any receiving unit that your transmission has ended. When the Roger Beep tone is enabled, the tone icon appears on the LC Display.

### **Keypad Program Tone Setting**

When a key is pressed, a beep tone is heard to confirm your command. The user may enable or disable this keypad program tone. When the Keypad tone is enabled, the tone icon appears on the LC Display.

### **Stop Watch function**

This function will enable a one hour timer function.

1. Press the **MENU** button eleven times, until the Stop Watch icon and the 00:00 indication will blink on the LC Display.
2. Press the **CH UP** button to start counting and press the **CH DOWN** button to stop the function. The radio can still operate in this mode.
3. Press the **CH UP** button again to re-start.
4. To reset the timer press the **CH DOWN** button two times.
5. To exit to Stand-by mode press the **LOCK** button.

### **Keypad Lock**

To avoid entering unwanted command, press and hold the **LOCK** button for about 2 seconds. The Lock icon will appear on the LC Display. When the keypad is locked, only the **PTT**, **CALL** and **Monitor** buttons are enabled. To unlock the keypad press and hold the **LOCK** button for about 2 seconds.

### **LCD Backlight**

Shortly press the **MONITOR** button to backlight the LC Display. Press this button again to turn OFF the LCD backlight.

### **Monitor Function**

Press and hold the **MONITOR** button for about 4 seconds to activate the Monitor function. Press **MONITOR** button once to return.

If require to listen to weak signal with background noise temporarily, press and hold **MONITOR** button for about 2 seconds. You will hear

background noise and possible weak signal from the unit. Release **MONITOR** button within 2 seconds to return.

### **Automatic Power Save**

The radio has an Automatic Power Save circuit designed to extend battery life. If it senses no signal within 10 seconds, it automatically switches to the Power Save mode. The Power Save icon will appear on the LC Display.

The radio can still receive transmission in this mode.

## **Troubleshooting**

### **No power.**

Check battery. Ensure that the battery is installed properly. The battery may be weak. Charge the supplied battery.

### **Reception is weak.**

Press the **VOL UP** button to increase Volume.

The receiving signal may be weak and/or out of range. If this happens, press the **MONITOR** button.

### **Cannot Change Channels**

To change channels, press the **MENU** button until the channel number flashes on the LC Display. Press the **CH UP** or **DOWN** buttons to change channels. Battery may be weak. Keypad Lock must be deactivated.

### **Range is limited.**

The battery may be weak.

Charge the battery if the Battery Level indicator is low. The maximum range will vary depending on terrain and environment.

Open fields provide the maximum range, while steel/ concrete structures, heavy foliage and use in buildings and in vehicles may limit the range significantly.

Wearing the radio close to the body, such as in a pocket or on a belt, will decrease range; change the location of the radio.

### **Sound Distortion problems.**

- If you are transmitting, speak in a normal tone of voice, 2 to 3 inches away from the microphone.
- If you are receiving, lower the volume to a comfortable level.
- Radios must be at least 5 feet apart, otherwise you have to increase the distance between the radios
- Radios too far apart. Obstacles interfere with transmission. Talk range is up to 10Km in clear unobstructed conditions.
- Check the manual and radio display to ensure that a function (such as VOX or Lock) has not been activated by accident.

In case of further difficulty please consult your dealer or visit our web site **[service.alan-electronics.de](http://service.alan-electronics.de)**

## Warranty and Recycling Information

We are legally obliged to include disposal and warranty information as well as EU declaration of conformity with the use instructions in different countries for every unit. Please find this information on the following pages.

### 2-Year warranty from date of purchase

The manufacturer/retailer guarantees this product for two years from date of purchase. This warranty includes all malfunctions caused by defective components or incorrect functions within the warranty period excluding wear and tear, such as exhausted batteries, scratches on the display, defective casing, broken antenna and defects due to external effects such as corrosion, over voltage through improper external power supply or the use of unsuitable accessories. Defects due to unintended use are also excluded from the warranty.

Please contact your local dealer for warranty claims. The dealer will repair or exchange the product or forward it to an authorized service center.

You can also contact our service partner directly. Please include your proof of purchase with the product and describe the malfunction as clearly as possible.

### Service Address and Technical Hotline (for units sold in Germany)

PST professional support technologies GmbH  
Breitscheider Weg 117a  
D - 40885 Ratingen

Contact our service hotline by phone **+492102-1459546**  
or e-mail at [alan-service@ps-tech.de](mailto:alan-service@ps-tech.de) .

### WEEE and Recycling



The European laws do not allow any more the disposal of old or defective electric or electronic devices with the household waste. Return your product to a municipal collection point for recycling to dispose of it. This system is financed by the industry and ensures environmentally responsible disposal and the recycling of valuable raw materials.

# Technical Specifications

## **General**

Frequency Range	446,00625~446,09375 MHz
Frequency Tolerance	2,5 PPM (bei 25 °C)
Operation Temperature	0 °C to +55 °C
Antenna	Integral Antenna
Microphone	Integral Built-in Electret type
Display	Liquid Crystal Display
Speaker	1 Watt, 8 Ω
Power Source	Rechargeable Li-ion Battery pack 3.7V 950mAh
Dimensions	135 mm x 62 mm x 37 mm (without antenna and belt clip)
Weight	205 g
Protection	IPX7(only if the headset jack is sealed)

## **Sender**

Power Output	0,5 W
Spurious Emissions	< 1 μW
Current Drain	500 mA (0,5 W TX Power)

## **Receiver**

Receiver Type	Double Conversion Super Heterodyne
Sensitivity (20dB SINAD)	-3 dBμV (EMF)
Audio Output Power	0.5W @ 10% THD
Current Drain	Squelched 40 mA Max. Audio 350 mA

More information and the CE Declaration can be found in the tables at the end of this manual.

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