

Hoerwache

Radio Room Clock

Band switch buttons **7**
Medium & High Frequency

Hoerwache Status display
server connected
ready **1**

500 kHz Notempfänger -

ein/aus - Button

Running stream – line

Spektrum & Dial display selected band mf / hf of active stations & frequency selector: Place mouse & click to set rx qss
Yellow = Station on air & transmitting
Green = HF station loop active and if switched on

Scope display in/out signals if audio keying via Soundcard is active

Chat 3	RTX	TTX
RX	Mute 14	Doc
Chart 2	AIS	OFF 15

Scope – Morsekey : Decode Level

Navigational data

Characters of other stations, except coast stations / own keying

Kompass & Heading display

Label for Shipname - operator namen – Position – heading & speed **4**

Receiver: RX panel

On/off **5** frequency display
Station button 500 kHz and preselect 1-7 (Set and recall: qss tune & strg – click auf button number 1 – 7
volume – mouse on volume & and scroll up/down **6**

Transmitter: TX panel **8**

On/off & qss display **9**

500 kHz & 6 mf frequency **10**

MIC Power chat/key
Audio keying not active audio Keying

Buttons : TTT XXX CQ **CLR 11** – Senden **go / stop 12 13** - **TX settings** (Ton, - WPM +)

This panel changes according to selection a) Sea Chart display **(2)** or b) Chat display **(3)** (2 screens: top = tx text to send , bottom = rx text area of decoded text from other stations and own transmitted text),. In mode 2 always two screens visible.

Seachart - Chart Display **(2):**

On selection chart a seachart ist displayed on the wholw area. You may zoom in/out; Active Ships and default ships of HW are shown as arrows and call sign; coaststation are shown at their position and call, active stations in green color. You may zoom in/out and pan east/west at your will and mvoe around worldwide.

Chat Display**(3):**

On chat selection the screen is splitted into two windows. Top screen is the tx text area. Click in this area and enter your text you want to transmit, it works like an editor. When finnished use go button (12), if tx is on**(9)** text is sent out. Transmission can be mutet (14); **Stop(13)** terminates transmission.

By copy&paste you may insert text from other sources outside of HW and transmit it with button go**(12)** . Own tx and tx from stations are displayed in this screen. The ' chat' area is limited to 300 characters per entry.

Selfe 'transmit' is limited to medium wave only!

Receiving is available on medium and high frequency according to band selection (7)

Strait Morsecode Audio keying is explained separately – Red letters refer to page 2 of this document

Hoerwache – Quick Guide

Welcome to Maritime Radio Simulation Program Hoerwache. This is a quick & easy guide for first startup. Of course this program is not that simple as one might think, but with some skill one will find out it is working fine. Mouse is used to go around the panels and click and scroll will activate functions and alter entries as keyboard is used to make entry to transmit contents of the text screen. An audio-keying is available as well and is explained separately.

Call Hoerwache with <https://www.hoerwache.de> . At first a brief description of Maritime Radio is given. At top of the page find menu items – select one of the items 'work as coaststation' or 'work as shipstation'. A flyout menu asking some details on your station. Use your favorite ship name and call, name operator, route etc. Call sign is important to HW, it must be singular during an HW session. Click next at bottom of form. Your entries will display for confirm. You may update your entries or go to the wt station.

Now you enter the radioroom. On startup a seachart of ships and coaststation near to your selected root is shown. At first check if connected to HW (**1, server connected – ready**) properly . Activate Chat Modus (**2, Chat**) ; Screen will split into two windows: top = transmit window and bottom receive window.

At # **4 topic** find „Ship Radio Certificate“, it does not have any function except call sign. HW needs call sign to manage all the

Switch on the receiver topic # **5**. From now on some noises should be audible (sferics). If nothing is audible there might be several reasons for that: Sound muted (**14**), soundcard general volume to low or muted , volume of rx to low, act accordingly.

On startup band selector (**7**) is set to medium wave 500 kHz. One may tune rx to any frequency in ITU marine band, 500 kHz and 1- 7 station buttons are available for quick recall. Frequencies are displayed in figures. You may save frequencies to store the value to buttons (hit and hold 'strg- key' and point to buttons 1 .7 to save). Recall it by click button 1 ... 7

Switch on tx (**8**) and select a fix frequency to use. In chat mode text is ready to go! Tx text is taken from the textbox at top of the window. Click once in the box and enter text by means of the keyboard. It works like a writing program, you may copy & paste text from external files. The tx - box is limited to 300 characters! When you finished click go button (**12**) and it will be sent out; text is shown in bottom window and Morsecode is audible, if not perhaps muted (**14**). TX might be stop at any time (**13**)

Use HW on hf as well, but only receive !: In band select area (**7**) choose a band, tune receiver by means of tune knob (**10**), or click in display screen to a desired frequency. For timetable look under menu doc: Hoerwache Timetable (**14**) - click and read entries. This timetable is very smart as you may enter search criteria to search for, perhaps wxx weather transmission enter wcc and get the times when it is on air.

Terminate HW: deselect rx – tx and click button off (**13**)

If there is a brake down of HW or does not work as usual, best solution is to terminate HW – clear your browser cache and restart HW again. From time to time there might be a socket error, the administrator must restart HW.

IF HW screen does not fit your window screen you may increase /decrease your window size by 'strg '+' plus/minus sign key!