

CORTEX® SOFTWARE UPDATE

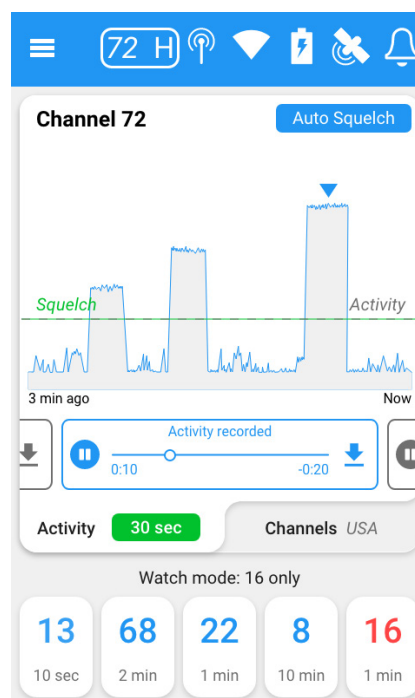
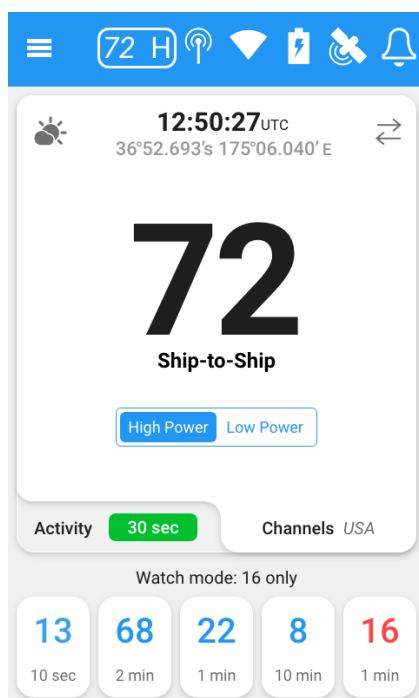
PRODUCT UPDATE



PRODUCT OVERVIEW:

Cortex just got even better. Introducing the new and improved Cortex 2.0 software update. There's a new sleek user interface for Cortex handsets and some big improvements to core VHF functions to ensure you never miss a word. Cortex software 2.0 features new SquelchEQ automated squelch with manual fine-tuning, omni watch multichannel scanning, and VHF audio recording and playback.

Cortex updates are freely downloaded via the App Store®. Simply download the updated Cortex Onboard™ app to your compatible smartphone or tablet. When you next connect your device to Cortex via Wi-Fi® technology, it will update. [Learn more](#) about updating your Cortex.

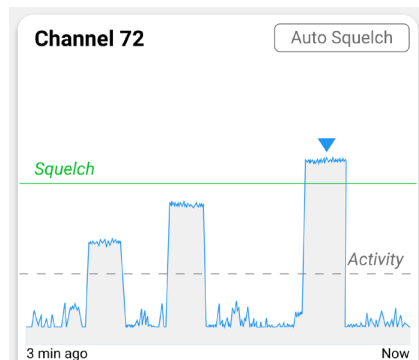


AUTOMATED SQUELCH WITH MANUAL FINE-TUNING:

Cortex takes the effort out of setting and resetting squelch levels on your VHF. SquelchEQ displays the background noise on the screen and adjusts tuning automatically, so you don't have to. For ultimate control, use the click wheel to manually fine-tune the level of squelch on each channel.

KEY CUSTOMER BENEFITS

- Take the hassle out of setting squelch on your VHF.
- Visualize current squelch tuning level.
- Get ultimate control with manual fine-tuning.

VISUALIZE CHANNEL ACTIVITY RELATIVE TO YOUR CURRENT SQUELCH SETTING**ALLOW CORTEX TO AUTOMATE YOUR SQUELCH TUNING FOR YOU BASED ON THE CURRENT BACKGROUND NOISE LEVELS**

Auto Squelch

OMNI WATCH CHANNEL SCANNING AND MULTIWATCH:

Unlike traditional VHF radio scanning, dual and tri watch functions, Cortex omni watch scans all available VHF frequency channels simultaneously. Cortex will monitor each channel and display a time icon indicating how long ago the channel was active, so you know which channels are busy before you select them. With different watch modes, you can maintain a listening watch over your 4 defined preset channels, distress channel 16 and your current calling channel. The order of your defined presets will also determine which takes priority.

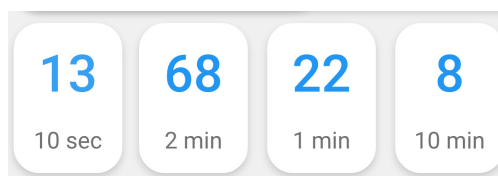
KEY CUSTOMER BENEFITS

- Find active channels if you want to listen to them.
- Maintain a listening watch over distress and user preset channels.
- Avoid active channels if you want a quiet channel on which to talk to someone.
- See activity snapshots for all channels at a glance.

CURRENT CHANNEL ACTIVITY

Activity

30 sec

PRESET CHANNEL ACTIVITY

VHF AUDIO RECORD AND PLAYBACK

Cortex is always listening to all available VHF frequency transmissions. Cortex will now record and store a period of 3 minutes of audio transmissions for any active channel, no matter what channel the user is listening to. Users will be able to navigate to any recorded channel and play back up to 3 minutes of historical voice traffic.

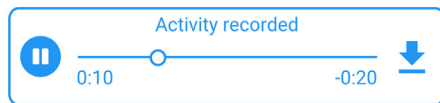
The technical limitation on the number of channels that can be simultaneously recorded is 2 at any one time, with a third reserved for your selected weather channel. These will be prioritized to international distress channel 16, the 4 channels configured as presets on the device and the current active listening channel. Cortex will automatically record the 2 highest priority channels that are active at any one time.

VHF recording is independent of the user set squelch level. Cortex will automatically determine an active transmission and process a recording.

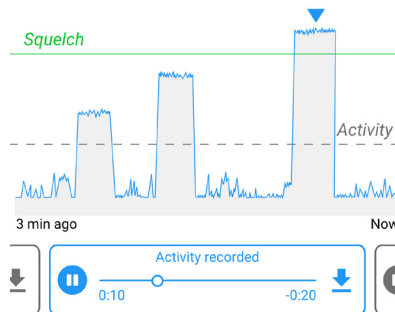
KEY CUSTOMER BENEFITS

- Play back up to 3 minutes of audio from any channel.
- View and play back only periods with active transmissions.
- Save a recorded period for long-term storage; this includes NMEA network and AIS position data at the time of recording.

INDIVIDUAL ACTIVITY PLAYBACK CLIP



OVERALL TIME-SCALE SHOWING RECORDED CLIPS FOR PLAYBACK



DOWNLOAD TO SYSTEM MEMORY FOR LATER



COMPATIBLE PRODUCTS:

CORTEX H1



CORTEX H1P



CORTEX V1



CORTEX M1



RELEASE NOTES:

Release Date:

March 28, 2023

Release Versions:

2.0

Improvements:

- SquelchEQ automated squelch with manual fine-tuning
- Omni watch multichannel scanning
- VHF audio recording and playback
- Added VHF weather channel preset
- AIS collision avoidance shortcut added to the plotter
- Visual and layout improvements for Cortex handsets
- Visual and layout improvements to Cortex Onboard™ app on Android™ devices
- Improved landscape scalability for Cortex Onboard app on iOS for iPad® devices
- Enable conversion between NMEA 2000® networking and NMEA 0183 for the following 0183 sentences: BOD, XTE, RMB, APB, HDT, HDM, BWV

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