

BOS! Belgium Outdoor Shack

USER MANUAL

BOS! Logbook for Windows

How to install and use the free BOS! Logbook on Windows 10/11 and Windows 7: station and activation, connecting your radio, logging, spots, WSJT-X (FT8/FT4), QRZ.com and saving the right ADIF files.

1.2.7	10	Oct 2026
VERSION	CHAPTERS	EDITION

Install → Station & activation → Connect radio → Log → Save ADIF → Upload

Contents

This manual describes version 1.2.7 of the BOS! Logbook for Windows 10/11 (64-bit) and Windows 7. The Android / iPhone web app works the same way for logging, spots and ADIF files, but has no radio (CAT) connection.

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1 📦 Installing the logbook

The BOS! Logbook is a free logging program for portable activators. Your log stays on your own PC; nothing is sent anywhere unless you ask for it (QRZ.com upload).

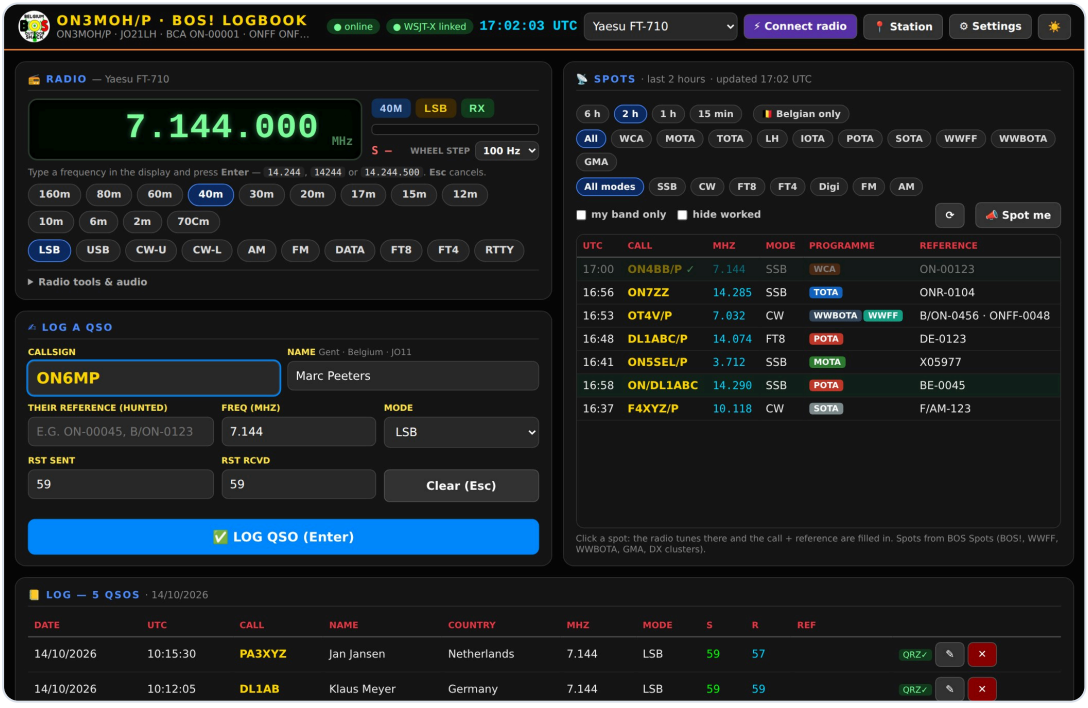
Version	For	File in the zip
Windows 10 / 11	64-bit PCs with Windows 10 or 11	**BOS-Logbook-Setup-1.2.7.exe**
Windows 7	Older 64-bit PCs with Windows 7, 8 or 8.1	**BOS-Logbook-Win7-Setup-1.2.7.exe**

1. Download the zip from **belgiumoutdoorshack.be → BOS! Services → Downloads** and open it.
2. Run the setup file. Windows says *"Windows protected your PC"*? Click **More info → Run anyway** (the program is not signed by a paid certificate).
3. The BOS! Logbook starts and gets an icon on your desktop and in the Start menu.

> 💡 **Updates:** when a new version is available, a yellow bar appears at the top of the logbook with a link to the download page. Installing a new version keeps your log and settings.

> ⚠️ Your log is stored in your Windows user profile. Before you reinstall Windows or change PC, save your log as an ADIF file (chapter 9).

2 🖥️ The screen at a glance



The BOS! Logbook: radio (top left), log a QSO (left), spots (right) and the log (bottom).

Part	What it does
Top bar	Your station and activation, **online** / offline, the WSJT-X link, the UTC clock, your radio model, ⚡ **Connect radio**, 📍 **Station** and ⚙ **Settings**, ☀️ / 🌙 (light / dark mode).
📻 Radio	The frequency display, band and mode buttons, S-meter and TX indication. Works with or without a radio connection.

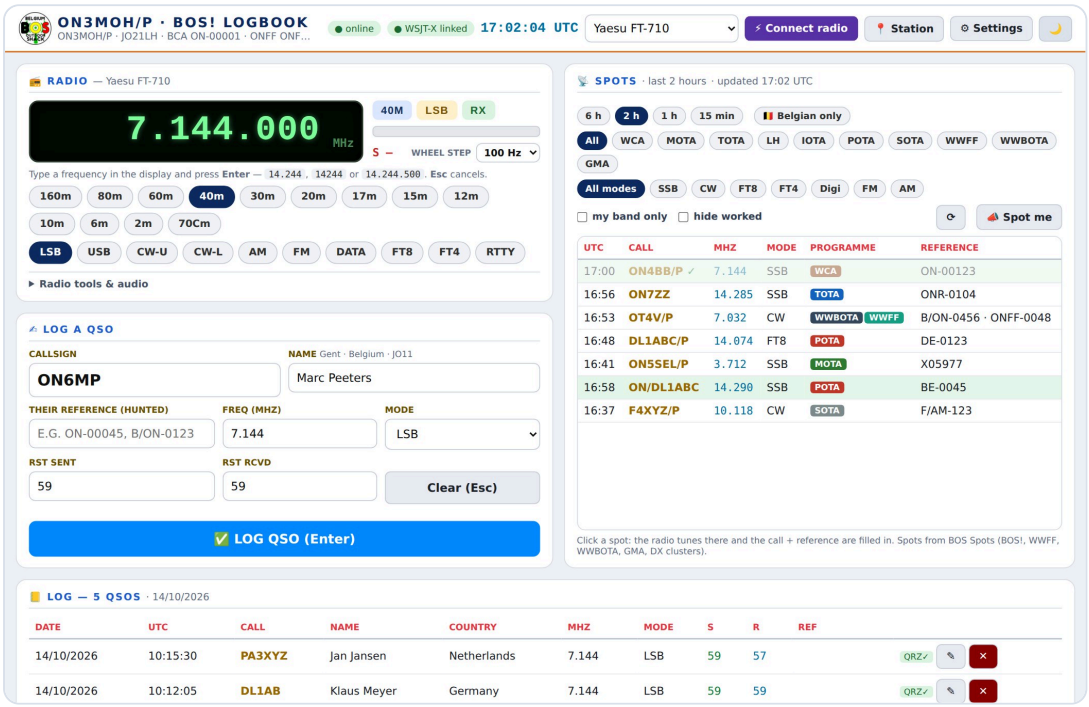
Part	What it does
✍ Log a QSO	Callsign, name, the reference of the other station, frequency, mode and reports. **Enter** logs the QSO.
📡 Spots	Live spots of the BOS! DX Cluster (BOS!, WWFF, WWBOTA, POTA, SOTA, GMA …).
📒 Log	All QSOs of this log, with the buttons **Save ADIF file(s)**, **Upload to QRZ.com**, **Import ADIF** and **New log**.

Keyboard

- **Enter** in the log form: log the QSO.
- **Esc**: clear the form.
- **F2**: jump to the frequency display — type e.g. **14.244**, **14244** or **14.244.500** and press Enter.

Light mode and dark mode

The ☀️ button at the top right switches to **light mode**; 🌙 switches back to dark mode. The logbook remembers your choice. The frequency display stays a dark LCD in both modes, like on a real radio.



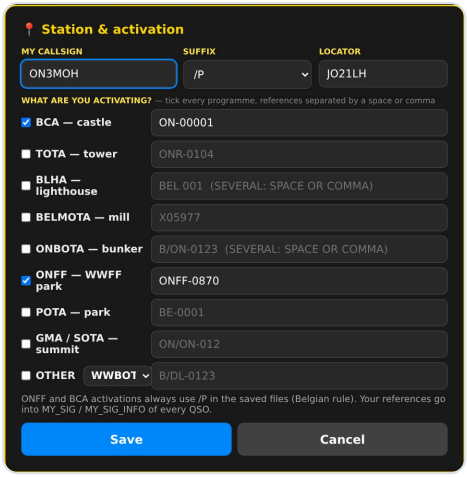
Light mode (☀️ / 🌙 at the top right).

Copy and paste with the mouse

Right-click in a text field for **Cut / Copy / Paste / Select all** — handy to paste your QRZ.com API key in ⚙ Settings. Right-click on selected text elsewhere to **Copy** it. Ctrl+C / Ctrl+V work too.

3 📍 Station & activation

Click 📍 **Station** before your activation. The first time the logbook opens this window by itself.



Station & activation: your callsign, suffix, locator and what you activate.

- **My callsign**: your call without /P (e.g. ON3MOH). **Suffix**: none, /P or /M. **Locator**: your 6-character QTH locator (e.g. JO21LH).
- **What are you activating?** Tick every programme and type the reference(s). For Belgian references the number alone is enough: **45** becomes **ON-00045**, **123** becomes **B/ON-0123**.
- Several references (a castle that is also a bunker, two bunkers ...): separate them with a space or a comma.

Programme	Example	Programme	Example
BCA — castle	ON-00045	ONBOTA — bunker	B/ON-0123
TOTA — tower	ONR-0104	ONFF — WWFF park	ONFF-0048
BLHA — lighthouse	BEL 001	POTA — park	BE-0001
BELMOTA — mill	X05977	GMA / SOTA — summit	ON/ON-012

OTHER — activations abroad

The last line, **OTHER**, has a list: **WWBOTA, WWFF, POTA, SOTA, IOTA, WCA**. Choose the programme and type the full reference, e.g. **B/DL-0123**, **DLFF-0123**, **DL/AL-001**, **EU-005**.

> 💡 Your references go into MY_SIG / MY_SIG_INFO of every QSO (plus MY_WWFF_REF, MY_POTA_REF, MY_SOTA_REF or MY_IOTA). ONFF and BCA always use /P in the saved files (Belgian rule). A wrong reference is reported when you click **Save**.

4 ⚡ Connecting your radio (CAT)

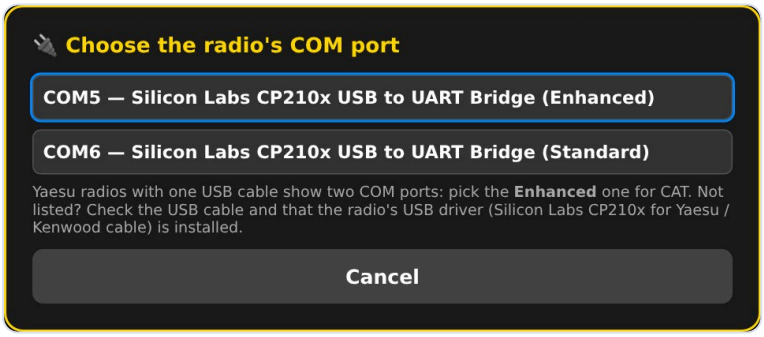
With a USB cable between PC and transceiver, the logbook reads frequency and mode from the radio, and clicking a band, mode or spot tunes the radio.

Mode buttons: LSB, USB, **CW-U**, **CW-L**, AM, FM, DATA, FT8, FT4 and RTTY. CW-U and CW-L put the radio in CW on the upper or lower sideband (Icom: CW / CW-R, Kenwood and Elecraft: CW / CW-REV). The log and the ADIF always just say **CW**.

Radio	Default speed	Set in the radio
Yaesu FT-710, FTX-1, FTDX10	38400	CAT-1 RATE — use the **Enhanced** COM port

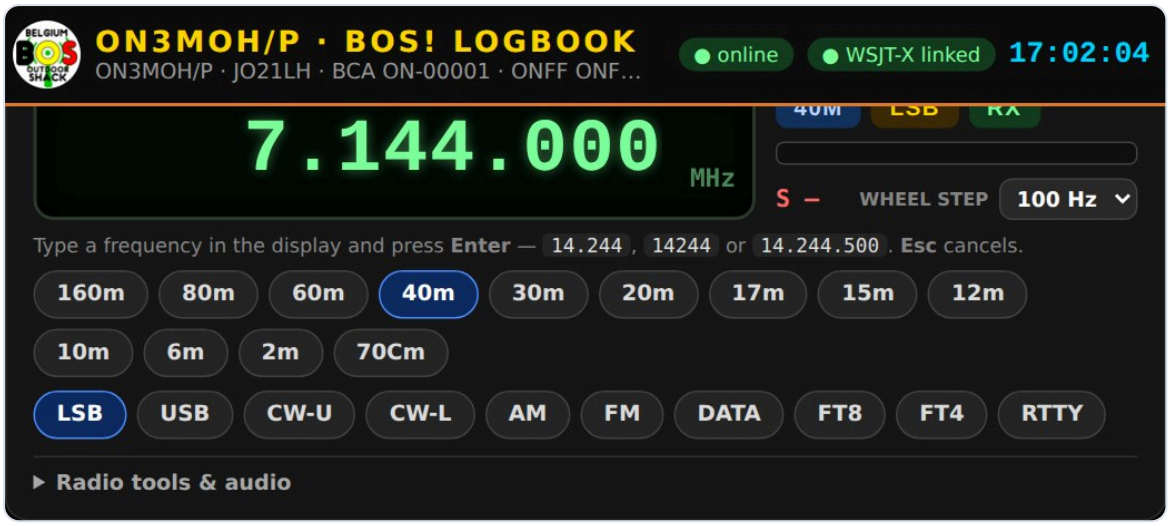
Radio	Default speed	Set in the radio
Yaesu FT-991A, FT-891	4800	CAT RATE (FT-991A: Enhanced COM port)
Kenwood TS-480	9600	Menu 56
Elecraft KX3	38400	Menu RS232
Icom IC-7300	automatic	CI-V address 94h. The logbook finds the speed (CI-V USB baud rate) and the CI-V address by itself when connecting.
Icom IC-7610	automatic	CI-V address 98h, factory setting 115200. The logbook finds the speed and address by itself. The 7610 creates two COM ports: if one does not work, choose the other.
Icom IC-705	automatic	CI-V address A4h, CI-V USB Baud Rate “Auto”. USB cable; Bluetooth also works once the IC-705 is paired with the PC as a COM port (not Wi-Fi).
Xiegu X6100	automatic	Icom-compatible CI-V via USB-C (address 70h; the logbook also tries A4h).
Elecraft KX2	38400	Menu RS232 — same commands as the KX3 (KXUSB cable).
QRP Labs QMX / QMX+	any	Direct via USB-C (virtual COM port). Frequency, mode and TX/RX; no S-meter. FT8 runs in USB.
Yaesu FT-817 / FT-818	4800	Menu 14 CAT RATE, menu 13 on CAT; CT-62 / Mini-DIN → USB cable. Uses the old Yaesu CAT (2 stop bits).

1. Choose your radio in the list at the top (e.g. **Yaesu FT-710**).
2. Click ⚡ **Connect radio** and choose the COM port. The port you used last time is on top — press Enter.
3. The button turns green (● **Connected**). Click it again to disconnect.



Choosing the COM port. Yaesu: take the “Enhanced” port.

The speed, stop bits, poll interval and the Icom CI-V address can be changed in ⚙ **Settings**; they are remembered per radio. The speed must be the same as in the radio.



The radio panel: type a frequency, click a band or mode, scroll the mouse wheel over the display to tune.

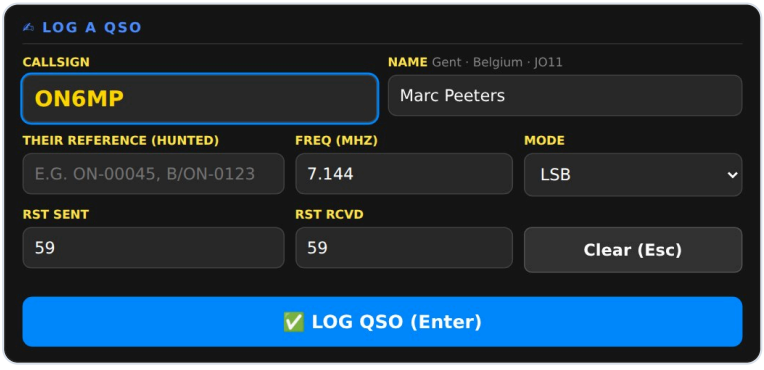
Tuning

- Type a frequency in the display and press Enter, or click a band (FT8/FT4 mode: the band's FT8/FT4 frequency).
- Scroll the mouse wheel over the display; **Wheel step** sets the step (10 Hz ... 5 kHz).
- **Radio tools & audio**: volume, RF gain and some extra buttons (VFO A/B, NB, NR, tuner ... depending on the radio).

> ⚠️ A COM port can be used by **one** program at a time. Working with WSJT-X? Then do **not** connect the radio in the logbook: WSJT-X uses the COM port (chapter 7). Could not open the port? Close the other program (WSJT-X, flrig, JTDX ...) first.

> 💡 Connected but the frequency does not follow? Check that the right radio is chosen (IC-7300 ≠ IC-7610) and the speed. For Icom the logbook finds the speed and CI-V address by itself; if the radio does not answer, a message tells you what to check. The radio goes into TX when connecting? Tick **Keep DTR / RTS off** in Settings.

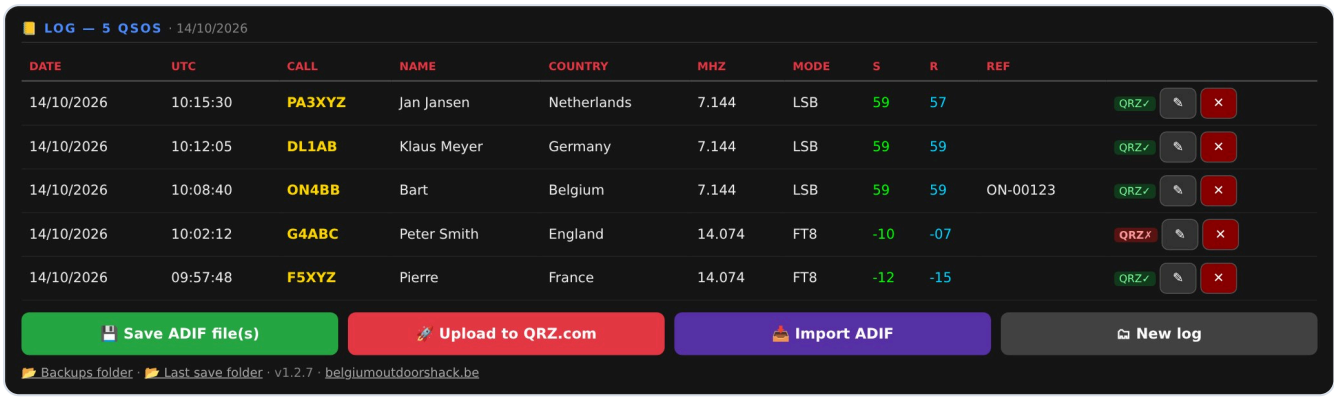
5 ✍ Logging a QSO



Log a QSO: the name is looked up on QRZ.com while you type the call.

1. Type the **callsign**. The logbook warns *"worked ..."* when you already have that call on this band.
2. The **name** is filled in from your log or from QRZ.com (chapter 8), with QTH, country and locator next to it. Correct a mistyped call and the looked-up name disappears again; a name you typed yourself is never changed.
3. **Their reference**: the reference of the other station when it is an activator too (e.g. **ON-00045**).

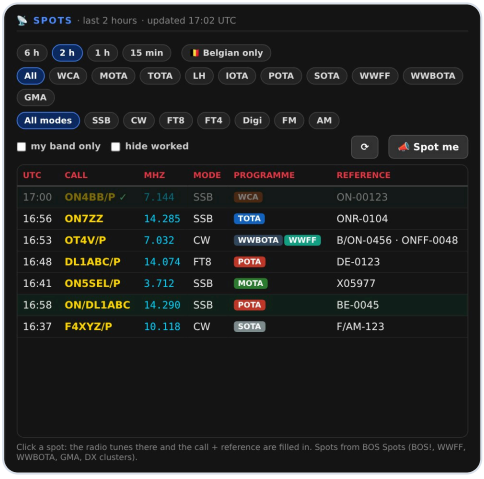
4. Frequency and mode come from the radio or from the display; the reports (59 / 599 / -10) are filled in for the mode.
5. Press **Enter** or ✅ **LOG QSO**. Time and date are taken in UTC.



The log: country from QRZ.com, the QRZ upload status, ✎ edit and × delete.

- ✎ edits a QSO (call, name, frequency, date, time, mode, reference, reports). × deletes it.
- **[D]** marks a duplicate: same call, band and mode on the same day.
- Move the mouse over a callsign to see country, QTH and locator.

6 📡 Spots



Spots: time window, Belgian only, programme and mode filters.

- The list shows the spots of the BOS! DX Cluster and refreshes every 30 seconds (⟳ refreshes now).
- **6 h · 2 h · 1 h · 15 min**: how far back the list goes (2 hours by default). The title shows the chosen window.
- 🇧🇪 **Belgian only** (turns red when on): only Belgian callsigns (ON0–ON9, OO–OT, also with /P or F/ON4ABC) and foreign activators in Belgium who sign **ON/** (e.g. ON/DL1ABC).
- Click the programme buttons (WCA, MOTA, TOTA, LH, IOTA, POTA, SOTA, WWFF, WWBOTA, GMA) to filter; **All** shows everything.
- Click the **mode buttons** (SSB, CW, FT8, FT4, Digi, FM, AM) to only see spots in that mode; you can pick several. **Digi** is other digital work (RTTY, PSK, ...). **All modes** shows everything.
- **my band only**: only spots on the band you are on. **hide worked**: hide stations you already worked on that band (worked spots show a ✓).
- All these choices are remembered.
- **Click a spot**: the radio tunes there and callsign, mode and reference(s) are filled in. Then you only have to log.
- 📣 **Spot me** opens the BOS! spots page in your browser, to spot yourself.

7 📶 FT8 / FT4 with WSJT-X

The logbook works together with **WSJT-X** and **WSJT-Z**. WSJT-X keeps the radio; the logbook shows what you are working and logs every QSO you log in WSJT-X.

Setting up (once)

1. In WSJT-X: **File → Settings → Reporting**: UDP Server **127.0.0.1**, port **2237**, tick **Accept UDP requests**.
2. In the logbook: ⚙ **Settings → WSJT-X**: *Log QSOs from WSJT-X automatically* is on by default, port 2237.
3. Do **not** click Connect radio in the logbook — the COM port is for WSJT-X.

At the top you see ● **WSJT-X 2237** (waiting) and ● **WSJT-X linked** as soon as WSJT-X runs.

While you work

- The frequency, the band and FT8 / FT4 follow WSJT-X.
- When you call or answer a station in WSJT-X, its call appears in the **Callsign** field, with the name from your log or QRZ.com.
- Only when you log the QSO in WSJT-X (**Log QSO → OK**) is it written in the logbook — with the name, the reports and the QRZ data. A duplicate is not logged twice.

> 💡 Also using JTAlert or GridTracker on port 2237? Set the UDP Server in WSJT-X to the multicast address **224.0.0.1** and fill in the same address in the logbook under Settings → *Multicast group*. QSOs made while the logbook was closed: import WSJT-X's **wsjtx_log.adi** with 📥 **Import ADIF** (QSOs already in the log are skipped).

8 🌐 QRZ.com



⚙ Settings: radio, WSJT-X and QRZ.com.

Setting	Used for
QRZ username + password	Looking up name, QTH, locator, country, DXCC and CQ/ITU zone (needs a QRZ **XML subscription**).
Logbook API key — home	Uploading to your QRZ.com logbook (qrz.com → My Logbook → Settings).
Logbook API key — /P or /M	Optional: a second QRZ logbook for portable / mobile operation.
Upload every QSO automatically	Every new QSO goes to your QRZ logbook at once.

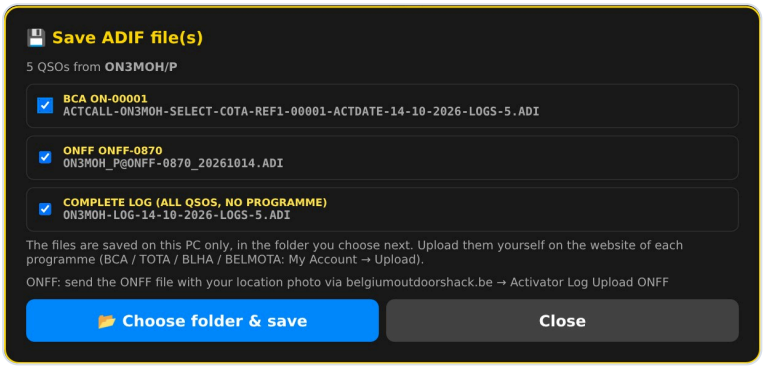
The password and keys are stored encrypted on your PC. The QRZ data (QTH, GRIDSQUARE, COUNTRY, DXCC, CQZ, ITUZ, STATE) is put in your ADIF files; older QSOs without these data are completed in the background.

Upload status in the log

- QRZ✓ uploaded · QRZ… waiting · QRZ✗ **not** uploaded (e.g. no internet) — retried every 2 minutes.
- 🚀 **Upload to QRZ.com** uploads only the QSOs that are not on QRZ.com yet, and marks each one ✓ or ✗.

> 💡 Copy the API key on qrz.com, then **right-click** in the field in ⚙ Settings → **Paste**.

9 💾 Saving ADIF files & a new log



Save ADIF file(s): one file per programme with the right name, plus the complete log.

- 💾 **Save ADIF file(s)** makes one file per activated programme, with the file name each programme expects (the same as the ADIF Converter on the website), plus the complete log. Choose a folder; the files are saved there.
- Upload the files yourself: BCA / TOTA / BLHA / BELMOTA on the programme website (My Account → Upload), ONFF via **ONFF Log Upload** on belgiumoutdoorshack.be (with your location photo), WWBOTA on onbota.be, POTA on pota.app, GMA on cqgma.org.
- **One log = one activation.** When the log contains several dates you get a warning.

New log

🗂 **New log** first saves the current log as a backup in **Documents\BOS Logbook\backups** and then empties the log. 📂 **Backups folder** (bottom) opens that folder.

Import ADIF

📥 **Import ADIF** adds the QSOs of an .adi file (e.g. from WSJT-X or another logger) to the log; QSOs that are already there are skipped.

10 🛠️ Tips & problems

Problem	Solution
“Could not open COM…”	Another program uses the port (WSJT-X, flrig …): close it. Yaesu: choose the Enhanced port. Try the other COM port.
Connected, but the frequency does not follow	Choose the right radio (IC-7300 / IC-7610), check the speed and the Icom CI-V address in ⚙ Settings.

Problem	Solution
No name appears	Fill in your QRZ username and password (XML subscription needed). The reason is shown under the name field.
QRZ✗ in the log	No internet or a wrong API key. Click 🚀 Upload to QRZ.com when the connection is back.
WSJT-X QSOs do not appear	Check UDP Server 127.0.0.1 port 2237 in WSJT-X, and that the WSJT-X option is on in Settings. Port in use by JTAlert/GridTracker: use multicast 224.0.0.1.
“Please check: …” when saving the station	A reference has the wrong form; the message shows an example.
Wrong date in the files	Start a 🗂 New log for each activation.

More help: **Logbook HELP!** on belgiumoutdoorshack.be, or the contact form.

Enjoy your activations!

> **Install → Station & activation → Connect radio → Log → Save ADIF → Upload**

Questions, ideas or a problem? Look at **Logbook HELP!** on belgiumoutdoorshack.be or use the contact form. New versions are announced in the logbook itself. 73!

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