

RelaisNavigator

International Repeater Data Submission - CSV / Excel Format

Thank you for contributing repeater information from your country. Please use the accompanying CSV template, or create an Excel workbook (.xlsx) with the **exact same column headers** in the first row. Each subsequent row represents one repeater frequency/mode entry.

Important: The submitter's amateur radio call sign and email address are mandatory. Repeat them in every data row. They are used to clarify data questions; they are not repeater attributes.

Field definitions

Column	Requirement	Description / example
callsign	Required	Repeater call sign, e.g. OE3XEX.
country	Required	Country name in English, e.g. Austria.
repeater_name	Optional	Public name or identifier of the repeater.
frequency_mhz	Required	Repeater OUTPUT / user receive frequency in MHz; decimal point, e.g. 145.750.
shift_mhz	Conditional	Signed TX offset in MHz, e.g. -0.600 or +7.600; leave blank if unknown.
mode	Required	FM, DMR, C4FM, D-STAR, TETRA, etc. Use one row per frequency/mode combination.
ctcss_hz	Optional	CTCSS tone in Hz, e.g. 88.5; leave blank if not used/unknown.
dcs_code	Optional	DCS code, e.g. 023; preserve leading zeros.
latitude	Required*	WGS84 decimal degrees, north positive, south negative; e.g. 48.50000.
longitude	Required*	WGS84 decimal degrees, east positive, west negative; e.g. 16.20000.
altitude_m	Optional	Site elevation above mean sea level in metres; NOT antenna height.
locator	Recommended*	Maidenhead grid locator, e.g. JN88cm.
location	Recommended	Nearest town or site name.
region	Optional	State, province, or administrative region.
status	Recommended	active, inactive, planned, or unknown.
source_url	Recommended	Public reference URL for verification, if available.
notes	Optional	Additional details, access requirements, network, links, etc.
submitter_callsign	Required	Amateur radio call sign of the person submitting the dataset.
submitter_email	Required	Contact email address of the submitting person.

Submission rules

- Coordinates:** Provide latitude and longitude wherever possible. If unavailable, include a Maidenhead locator instead (marked * above). Precise coordinates are strongly preferred for terrain and coverage calculations.
- Formatting:** Use UTF-8 CSV (comma-separated) or .xlsx. Use a period as decimal separator, not a comma. Do not merge cells, rename columns, or include additional title rows. Empty values are allowed for optional fields.
- Frequency:** Always enter the repeater output frequency (the frequency on which users listen). The signed shift indicates the repeater input relative to its output.
- Accuracy:** Include only information you are permitted to share. Please verify operating status and supply a source link when possible. The sample row is fictional and must be removed before submission.

5. **Review:** Submitted data may be checked and normalised before inclusion in RelaisNavigator. An import process and publication schedule have not yet been defined.

Files: RelaisNavigator_International_Repeater_Template.csv (editable example) and this PDF guide.