

# Spelhubben Weather — User Guide (English)

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v1.9.0 (updated 2026-01-08)

## Overview

Spelhubben Weather displays current conditions and an optional daily forecast. It can aggregate data from multiple weather providers to produce a simple “consensus” value for each field (temperature, wind, wind direction, precipitation and cloud cover). The plugin supports a Gutenberg block, a shortcode and a classic widget. Optional maps are powered by Leaflet (OpenStreetMap), and the icon set can be changed via built-in icon themes.

## Key features

- Gutenberg block (with block patterns), shortcode, and classic widget.
- Multiple layouts: inline, compact, card, detailed.
- Daily forecast (Open-Meteo): 3–10 days.
- Provider consensus across enabled sources; optional provider comparison mode (side-by-side values).
- Weather alerts & recommendations (threshold-based), with per-instance toggle.
- Optional Leaflet/OpenStreetMap map with required attribution.
- Multiple icon themes: Classic, Modern Flat, Modern Gradient, Modern 2026, Modern 3D.
- Caching via WordPress transients + a Performance dashboard (cache hit rate, API usage, recent misses).
- Settings export/import and “Reset to defaults”.
- Units presets plus per-field overrides (temp/wind/precip) and configurable forecast date format.
- Fully translatable (English base strings; Swedish and Norwegian shipped).

## Installation

- Upload and activate the plugin (Plugins → Add New → Upload Plugin).
- Open the admin menu “Spelhubben Weather” and configure defaults (place, shown fields, layout, providers, cache TTL, units, icon style).
- Insert weather output using the Gutenberg block, shortcode, or classic widget.

## Using the Gutenberg block

Edit a page or post → Add block → search for “Spelhubben Weather”. Use the block sidebar to override defaults for that specific block instance.

- Place or coordinates: set “Place” (geocoded) or provide lat/lon (coordinates take precedence).

- Layout and fields: choose layout and which fields to display (temp, wind, wind\_dir, icon).
- Map: toggle map and set map height.
- Forecast: enable daily forecast and choose number of days (3–10).
- Alerts: toggle “Show weather alerts”.
- Units: select a preset (metric / metric\_kmh / imperial). Per-field overrides are configured in Settings and apply globally.

Block patterns (editor): the plugin registers ready-made patterns such as “Weather + Map”, “Compact Weather”, and “Detailed Forecast”.

Legacy block: you may also see “Spelhubben Weather (legacy)” in the block inserter for backward compatibility.

## Shortcode

Basic usage:

```
[spelhubben_weather]
```

Examples:

- Compact with map & animation

```
[spelhubben_weather place="Gothenburg" layout="compact" map="1"
animate="1"]
```

- Inline without map (icon + temp)

```
[spelhubben_weather lat="57.7089" lon="11.9746" layout="inline" map="0"
show="temp,icon"]
```

- Detailed with daily forecast (5 days) and km/h wind

```
[spelhubben_weather place="Umeå" layout="detailed" forecast="daily"
days="5" units="metric_kmh"]
```

- Provider comparison mode (side-by-side values per provider)

```
[spelhubben_weather place="Stockholm" comparison="1"]
```

- With weather alerts enabled (not shown in inline layout)

```
[spelhubben_weather place="Stockholm" layout="card" show_alerts="1"]
```

- Add a custom CSS class for styling hooks

```
[spelhubben_weather place="Stockholm" class="my-weather my-weather--
homepage"]
```

Note: The legacy shortcode [sv\_vader] was deprecated and is not registered on the frontend. Use [spelhubben\_weather].

### Shortcode attributes

All attributes are optional; plugin settings are used as defaults where applicable.

| Attribute          | Description   | Example                        |
|--------------------|---|--------------------------------|
| place (alias: ort) | Place name to geocode (used if lat/lon are missing).  | place="Stockholm"              |
| lat                | Latitude (coordinates take precedence over place).  | lat="59.3293"                  |
| lon                | Longitude (coordinates take precedence over place).   | lon="18.0686"                  |
| show               | Fields to display: temp, wind, wind_dir, icon (comma-separated).  | show="temp,wind,wind_dir,icon" |
| layout             | inline   compact   card   detailed  | layout="compact"               |
| map                | 1/0 to show/hide Leaflet map.   | map="1"                        |
| map_height         | Map height in px (min 120).   | map_height="280"               |
| animate            | 1/0 (also accepts true/yes/on) for subtle animations.   | animate="1"                    |
| forecast           | none   daily  | forecast="daily"               |
| days               | Number of days in the daily forecast (3-10). Values outside this range are clamped.   | days="7"                       |
| providers          | Comma-separated providers for consensus/comparison. Allowed values: openmeteo, smhi, yr, fmi, openweathermap, weatherapi, metno_nowcast (experimental). If a provider returns no data, it is ignored. | providers="smhi,yr,openmeteo"  |
| comparison         | 1/0. When enabled, shows a provider comparison view instead of the consensus view.  | comparison="1"                 |

|             |  |                         |
|-------------|--|-------------------------|
| show_alerts | 1/0. Whether to show alert badges/messages (not displayed in inline layout). | show_alerts="1"         |
| units       | Preset: metric   metric_kmh   imperial                                       | units="imperial"        |
| temp_unit   | Override temperature unit (C   F).   | temp_unit="C"           |
| wind_unit   | Override wind unit (ms   kmh   mph).   | wind_unit="kmh"         |
| precip_unit | Override precipitation unit (mm   in).                                       | precip_unit="mm"        |
| date_format | Forecast date label format (PHP date format string).                         | date_format="D j/n"     |
| class       | Extra CSS class(es) added to the wrapper element (space-separated).          | class="weather--footer" |

### Classic widget

Go to Appearance → Widgets and add “Spelhubben Weather”. Configure per-widget options such as title, place/coordinates, fields, layout, map, forecast, number of days, alerts toggle, and an optional CSS class.

Tip: For the daily forecast, the effective range is 3–10 days (values outside the range are clamped).

### Settings explained

- Default place, shown fields and layout: used unless overridden by a block/shortcode/widget.
- Cache TTL (minutes): how long weather/geocoding/forecast results are cached server-side.
- Map defaults: toggle map-by-default and set default map height (px).
- Icon style: choose between Classic and the modern icon themes.
- Data providers: enable the providers you want available for consensus and comparison.
- Yr contact/UA: recommended by MET Norway—include an email or URL in your User-Agent for Yr requests.
- Units & format: select a preset, optionally override temp/wind/precip units, and set the PHP date format for forecast labels.
- Export/Import settings: export to JSON for backups or migration; import to restore.
- Reset to defaults: safely revert plugin configuration to the built-in defaults.

### Admin: Shortcodes page & Live Preview (1.9.0)

Open Spelhubben Weather → Shortcodes. You will find curated examples with one-click copy, a Live Preview panel (sandboxed iframe), and a Quick Builder to assemble a shortcode by selecting options (fields, layout, map, forecast, units, alerts and providers).

Security note: The preview endpoint only accepts a single [spelhubben\_weather] tag and sanitizes output.

### Admin: Alerts

Open Spelhubben Weather → Alerts to configure and preview threshold-based weather alerts. Alerts are derived from the displayed weather values (after unit conversion) and can show recommendations such as “Storm Warning”, “Freezing Temperatures”, or “Heavy Precipitation”.

- Configure alert thresholds for temperature, wind and precipitation.
- View “Current alerts” for the configured default place.
- Enable/disable alerts per instance with show\_alerts="1"/"0" (shortcode) or the block/widget toggle.
- Inline layout intentionally hides alert badges for compactness.

### Admin: Performance

Open Spelhubben Weather → Performance for cache statistics and maintenance actions.

- Cache hit rate, total hits/misses and API calls today.
- Recent “misses” list (places queried and when).
- Clear cache (invalidates plugin cache/transients).
- Clear statistics (resets hit/miss counters and recent entries).

### Maps

Leaflet maps use OpenStreetMap tiles and require JavaScript. Enable with map="1" and adjust map\_height if needed. The plugin includes the required OpenStreetMap attribution in the map footer; do not remove it to stay compliant with ODbL.

### Providers & compliance

You can combine providers (for example providers="smhi,yr,openmeteo"). The plugin uses a median-based consensus for numeric values and prefers Open-Meteo WMO codes for icon/description when available.

Some providers may have policy constraints (rate limits, required User-Agent strings, or API keys). If you see frequent empty results, disable that provider and rely on Open-Meteo/SMHI/Yr/FMI.

For Yr (MET Norway) it is recommended to include a contact (email or URL) in the User-Agent via the “Yr contact/UA” setting.

### Troubleshooting

- Nothing shows: ensure at least one provider is enabled in Settings, and that the place/coordinates are valid.
- Wrong location: specify exact lat/lon or use a more specific place string (for example “Uddevalla, SE”).

- Map not visible: set map="1", ensure sufficient container width/height, and increase map\_height.
- Rate limiting or empty data: increase cache TTL and reduce refresh frequency; consider disabling providers that require API keys.
- Comparison view shows blanks: a provider can be enabled but still return null (coverage, rate limits, policy). Use the view to identify which source is failing.
- Alerts not visible: ensure show\_alerts is enabled and do not use inline layout if you need alert badges.
- Shortcode preview errors: only a single [spelhubben\_weather ...] tag is allowed in the preview box.

## Translations

The plugin is fully translatable and ships translations for Swedish (sv\_SE), Norwegian Bokmål (nb\_NO) and English. You can provide additional translations via [translate.wordpress.org](https://translate.wordpress.org) or by shipping .po/.mo files in /languages.

## Privacy

The plugin does not set cookies. Weather and geocoding requests are performed server-side. When the map is enabled, OpenStreetMap tiles are requested client-side by the visitor's browser. Include OpenStreetMap tile usage in your privacy notice if required by your policies.

## License & attribution

Spelhubben Weather is licensed under GPLv2 or later. Map data © OpenStreetMap contributors (ODbL). The plugin is not affiliated with Open-Meteo, SMHI, Yr/MET Norway, FMI, Leaflet or OpenStreetMap.

## Changelog (1.9.0)

- New admin enhancements: Quick Builder on the Shortcodes page; additional settings actions (export/import, reset to defaults).
- New admin pages: Alerts and Performance dashboards.
- New icon themes selectable in settings.
- Improved animations parsing and general admin UI polish and accessibility.

## Quick reference: common shortcodes

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