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st.time_input

Streamlit Version Version 1.41.0

Display a time input widget.

Function signature[source]

st.time_input(label, value="now", key=None, help=None, on_change=None, args=None, kwargs=None, *, disabled=False, label_visibility="visible", step=0:15:00)

Parameters

label (str)

A short label explaining to the user what this time input is for. The label can optionally contain GitHub-flavored Markdown of the following types: Bold, Italics, Strikethroughs, Inline Code, Links, and Images. Images display like icons, with a max height equal to the font height.

Unsupported Markdown elements are unwrapped so only their children (text contents) render. Display unsupported elements as literal characters by backslash-escaping them. E.g., `"1\. Not an ordered list"`.

See the `body` parameter of `st.markdown` for additional, supported Markdown directives.

For accessibility reasons, you should never set an empty label, but you can hide it with `label_visibility` if needed. In the future, we may disallow empty labels by raising an exception.

value ("now", datetime.time, datetime.datetime, str, or None)

The value of this widget when it first renders. This can be one of the following:

- `"now"` (default): The widget initializes with the current time.

Returns

(datetime.time or None)

The current value of the time input widget or `None` if no time has been selected.

Function signature[source]

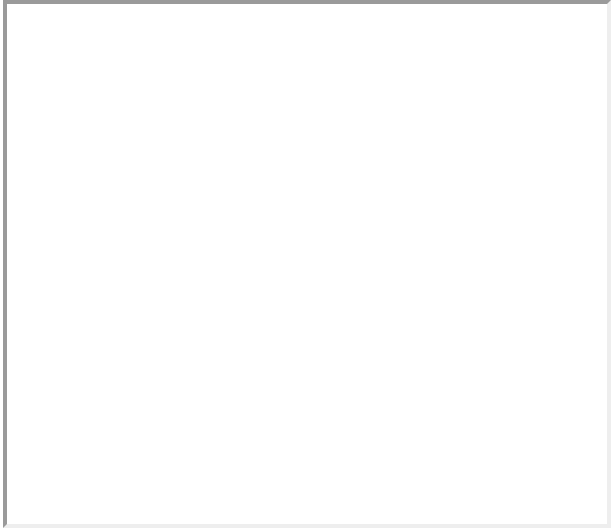
st.time_input(label, value="now", key=None, help=None, on_change=None, args=None, kwargs=None, *, disabled=False, label_visibility="visible", step=0:15:00)

	• A `datetime.time` or `datetime.datetime` object: The widget initializes with the given time, ignoring any date if included. • An ISO-formatted time ("hh:mm", "hh:mm:ss", or "hh:mm:ss.sss") or datetime ("YYYY-MM-DD hh:mm:ss") string: The widget initializes with the given time, ignoring any date if included. • `None`: The widget initializes with no time and returns `None` until the user selects a time.
key (str or int)	An optional string or integer to use as the unique key for the widget. If this is omitted, a key will be generated for the widget based on its content. No two widgets may have the same key.
help (str)	An optional tooltip that gets displayed next to the widget label. Streamlit only displays the tooltip when `label_visibility="visible"`.
on_change (callable)	An optional callback invoked when this time_input's value changes.
args (tuple)	An optional tuple of args to pass to the callback.
kwargs (dict)	An optional dict of kwargs to pass to the callback.
disabled (bool)	An optional boolean that disables the time input if set to `True`. The default is `False`.
label_visibility ("visible", "hidden", or "collapsed")	The visibility of the label. The default is `"visible"`. If this is `"hidden"`, Streamlit displays an empty spacer instead of the label, which can help keep the widget alligned with other widgets. If this is `"collapsed"`, Streamlit displays no label or spacer.
step (int or timedelta)	The stepping interval in seconds. Defaults to 900, i.e. 15 minutes. You can also pass a datetime.timedelta object.
Returns	
(datetime.time or None)	The current value of the time input widget or `None` if no time has been selected.

Example

```
import datetime
import streamlit as st

t = st.time_input("Set an alarm for", datetime.time(8, 45))
st.write("Alarm is set for", t)
```



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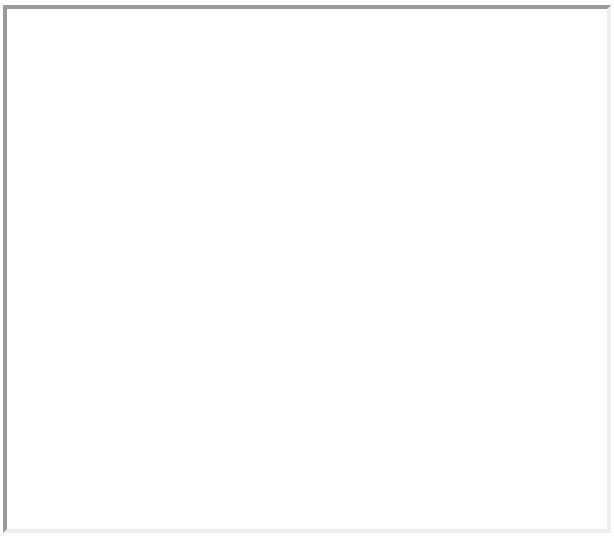
To initialize an empty time input, use `None` as the value:

```
import datetime
import streamlit as st

t = st.time_input("Set an alarm for", value=None)
st.write("Alarm is set for", t)
```



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forum

Still have questions?

Our forums are full of helpful information and Streamlit experts.

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