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# Number Field

A React component for capturing numeric input from users.



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Bundle size

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Number Field is *not* a built-in `@mui/material` component—it's composed of a [Base UI Number Field](#) and styled to align with Material UI specs.

As such, you must install Base UI before proceeding. The examples that follow can then be copied and pasted directly into your app. Note that Base UI is tree-shakeable, so the final bundle will only include the components used in your project.

`npm`   `pnpm`   `yarn`

`npm install @base-ui/react`

`Copy`

## Usage

1. Select one of the demos below that fits your visual design needs.
2. Click **Expand code** in the toolbar.
3. Select the file that starts with `./components/`.
4. Copy the code and paste it into your project.

## Outlined field

The outlined field component uses [text-field composition](#) with end adornments for the increment and decrement buttons.

^▼

Enter value between 10 and 40

Small and Error

100

Enter value between 10 and 40

[Edit in Chat](#)

JS

TS

[Collapse code](#)[./FieldDemo.tsx](#)[./components/NumberField.tsx](#)

```
import * as React from 'react';
import Box from '@mui/material/Box';
import NumberField from './components/NumberField';

export default function FieldDemo() {
  return (
    <Box sx={{ display: 'grid', gap: 4 }}>
      <NumberField label="Number Field" min={10} max={40} />
      <NumberField
        label="Small and Error"
        min={10}
        max={40}
        size="small"
        defaultValue={100}
        error
      />
    </Box>
  );
}
```

## Spinner field

For the spinner field component, the increment and decrement buttons are placed next to the outlined input. This is ideal for touch devices and narrow ranges of values.

Number Spinner

Small and Error

[Edit in Chat](#)

JS

TS

[Collapse code](#)

```
import * as React from 'react';
import Box from '@mui/material/Box';
import NumberSpinner from './components/NumberSpinner';

export default function SpinnerDemo() {
  return (
    <Box
      sx={{
        display: 'flex',
        flexDirection: 'column',
        gap: 4,
        justifyContent: 'center',
      }}
    >
      <NumberSpinner label="Number Spinner" min={10} max={40} />
      <NumberSpinner
        label="Small and Error"
        min={10}
        max={40}
        size="small"
        defaultValue={100}
        error
      />
    </Box>
  );
}
```

## Base UI API



See the documentation below for a complete reference to all of the props.

- [<NumberField />](#)

## API



See the documentation below for a complete reference to all of the props and classes available to the components mentioned here.

- [<Button />](#)
- [<FormControl />](#)
- [<FormHelperText />](#)
- [<FormLabel />](#)
- [<IconButton />](#)
- [<InputLabel />](#)

- [`<OutlinedInput />`](#)

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[Radio Group !\[\]\(e78f798d4ea5c530c9db49e7d26e6b95\_img.jpg\)](#)