Prompt-Bar

https://playdocs1.orangeriver-ad055946.westus2.azurecontainerapps.io/play-docs/docs/ui-components/Inputs/Prompt-Bar

Prompt Bar

The Prompt Bar component is a sophisticated input system designed for modern chat interfaces, AI prompt systems, and messaging applications. It combines a multi-line textarea with customizable action icons, device selection dropdowns, and file attachment capabilities to create a comprehensive input experience.

Thecomponent provides an intuitive interface for users to compose messages, select target devices, attach files, and interact with various input actions through a clean, organized layout.

```
<aava-prompt-bar>
```

How to use

```
import { AavaPromptBarComponent, PromptIcons, DropdownOption, uploadedImages,} from "@aava/play-core";
```

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import { AavaPromptBarComponent, PromptIcons, DropdownOption, uploadedImages,} from "@aava/play-core";
```

Interactive Examples

Explore different prompt bar configurations and features with interactive demos.

Basic Usage

The Prompt Bar provides a unified interface for user text input, actions, and attachments. It supports typing, sending messages, and triggering actions via icons. Use the basic setup to render the default prompt bar with message input and optional send behavior.

```
<aava-prompt-bar placeholder="Type your message here..." [icons]="allIcons"></aava-prompt-bar>
```

```
<aava-prompt-bar placeholder="Type your message here..." [icons]="allIcons"></aava-prompt-bar>
```

```
  onMessageSent(message: string) {    console.log('Message sent:', message);  }   allIcons: PromptIcons[] = [
{       name: 'paperclip',       slot: 'icon-start',       color: 'green',       visible: true,       click:
() => this.onAttachFile()      },      {       name: 'send',       slot: 'icon-end',       color: 'var(--color-
text-primary)',       visible: true,       click: () => this.onAddImage()      }    ];     onAttachFile() {
console.log('Attach file clicked');  } onAddImage() {    console.log('Add image clicked');  }
```

```
  onMessageSent(message: string) {    console.log('Message sent:', message);  }   allIcons: PromptIcons[] = [
{       name: 'paperclip',       slot: 'icon-start',       color: 'green',       visible: true,       click:
() => this.onAttachFile()      },      {       name: 'send',       slot: 'icon-end',       color: 'var(--color-
text-primary)',       visible: true,       click: () => this.onAddImage()      }    ];     onAttachFile() {
console.log('Attach file clicked');  } onAddImage() {    console.log('Add image clicked');  }
```

Sizes

```
<aava-prompt-bar  size="sm"  placeholder="Small prompt bar (2 rows)"  [icons]="allIcons"></aava-prompt-bar><aava-
prompt-bar  size="md"  placeholder="Medium prompt bar (3 rows)"  [icons]="allIcons"></aava-prompt-bar><aava-
prompt-bar  size="lg"  placeholder="Large prompt bar (4 rows)"  [icons]="allIcons"></aava-prompt-bar>
```

```
<aava-prompt-bar  size="sm"  placeholder="Small prompt bar (2 rows)"  [icons]="allIcons"></aava-prompt-bar><aava-
prompt-bar  size="md"  placeholder="Medium prompt bar (3 rows)"  [icons]="allIcons"></aava-prompt-bar><aava-
prompt-bar  size="lg"  placeholder="Large prompt bar (4 rows)"  [icons]="allIcons"></aava-prompt-bar>
```

```
  allIcons: PromptIcons[] = [    {       name: 'paperclip',       slot: 'icon-start',       color: 'var(--color-text-
primary)',       visible: true,       click: () => this.onAttachFile()      },      {       name: 'send',       slot:
'icon-end',       color: 'var(--color-text-primary)',       visible: true,       click: () => this.onSend()      }   ];
```

```
  allIcons: PromptIcons[] = [    {      name: 'paperclip',      slot: 'icon-start',      color: 'var(--color-text-
primary)',     visible: true,     click: () => this.onAttachFile()    },    {      name: 'send',      slot:
'icon-end',     color: 'var(--color-text-primary)',     visible: true,     click: () => this.onSend()    } ];
```

Available Sizes

The Prompt Bar comes in three size variants — sm, md, and lg — allowing flexible adaptation to different layouts. The size affects the overall height, icon dimensions, textarea rows, and tag scaling. Use smaller sizes for compact UIs and larger ones for more prominent input sections.

- sm (Small)– Slightly larger input for standard compact forms

- md (Medium)– Default size for most use cases (balanced proportions)

- lg (Large)– Larger input for prominent forms or accessibility-focused layouts

Icons & Actions

```
<div>  <h1>Start Icons Only</h1>  <aava-prompt-bar    placeholder="Prompt bar with start icons"
[icons]="startIcons"  >  </aava-prompt-bar></div><div>  <h1>End Icons Only</h1>  <aava-prompt-bar
placeholder="Prompt bar with end icons" [icons]="endIcons">  </aava-prompt-bar></div><div>  <h1>Both Start and End
Icons</h1>  <aava-prompt-bar    placeholder="Prompt bar with both start and end icons"    [icons]="allIcons"  >
</aava-prompt-bar></div><div>  <h1>With Select Component</h1>  <aava-prompt-bar    placeholder="Prompt bar with
select component"    [icons]="allIcons"    [showSelection]="true"    [deviceOptions]="deviceOptions"
[selectWidth]="'200px'"    selectPlaceholder="Choose device"  >  </aava-prompt-bar></div><div>  <h1>ng-content
with Icons</h1>  <aava-prompt-bar    placeholder="Prompt bar with icons and custom content"    [icons]="allIcons"
>    <div class="custom-content-with-icons">      <button class="action-button" (click)="onCustomAction()">
Custom Action      </button>      <span class="status-text">Ready</span>    </div>  </aava-prompt-bar></div><div>
<h1>ng-content Only (No Icons)</h1>  <aava-prompt-bar placeholder="Prompt bar with only custom content">    <div
class="custom-content-only">      <button class="primary-button" (click)="onSaveDraft()">Save Draft</button>
<button class="secondary-button" (click)="onClear()">Clear</button>      <button class="primary-button"
(click)="onSendMessage()">        Send Message      </button>    </div>  </aava-prompt-bar></div><div>  <h1>Custom
Third Row Content (ng-content)</h1>  <aava-prompt-bar placeholder="Prompt bar with custom third row content">
<div class="custom-third-row">      <div class="custom-left">        <button class="custom-button">Custom
Action</button>      </div>      <div class="custom-center">        <span class="custom-text">Custom
Content</span>      </div>      <div class="custom-right">        <button class="custom-button">Send</button>
</div>    </div>  </aava-prompt-bar></div>
```

```
  startIcons: PromptIcons[] = [    {      name: 'paperclip',      slot: 'icon-start',      color: 'var(--color-
text-primary)',     visible: true,     click: () => this.onAttachFile()    },    {      name: 'image',
slot: 'icon-start',     color: 'var(--color-text-primary)',     visible: true,     click: () =>
this.onAddImage()    } ]; endIcons: PromptIcons[] = [    {      name: 'mic',      slot: 'icon-end',      color:
'var(--color-text-primary)',     visible: true,     click: () => this.onVoiceRecord()    },    {      name:
'send',     slot: 'icon-end',     color: 'var(--color-text-primary)',     visible: true,     click: () =>
this.onSend()    } ]; allIcons: PromptIcons[] = [    ...this.startIcons,    ...this.endIcons ]; deviceOptions:
PromptBarOption[] = [    { label: 'Desktop', value: 'desktop', icon: 'monitor' },    { label: 'Tablet', value:
'tablet', icon: 'tablet' },    { label: 'Mobile', value: 'mobile', icon: 'smartphone' } ];
onMessageSent(message: string) {    console.log('Message sent:', message);  } onIconClick(event: any) {
console.log('Icon clicked:', event);  } onAttachFile() {    console.log('Attach file clicked');  } onAddImage()
{    console.log('Add image clicked');  } onVoiceRecord() {    console.log('Voice record clicked');  } onSend()
{    console.log('Send clicked');  } onCustomAction() {    console.log('Custom action clicked');  }
onSaveDraft() {    console.log('Save draft clicked');  } onClear() {    console.log('Clear clicked');  }
onSendMessage() {    console.log('Send message clicked');  }
```

```
  startIcons: PromptIcons[] = [    {      name: 'paperclip',      slot: 'icon-start',      color: 'var(--color-
```

```
text-primary)',      visible: true,      click: () => this.onAttachFile()    },    {      name: 'image',
slot: 'icon-start',      color: 'var(--color-text-primary)',      visible: true,      click: () =>
this.onAddImage()    } ]; endIcons: PromptIcons[] = [    {      name: 'mic',      slot: 'icon-end',      color:
'var(--color-text-primary)',      visible: true,      click: () => this.onVoiceRecord()    },    {      name:
'send',      slot: 'icon-end',      color: 'var(--color-text-primary)',      visible: true,      click: () =>
this.onSend()    } ]; allIcons: PromptIcons[] = [    ...this.startIcons,    ...this.endIcons ]; deviceOptions:
PromptBarOption[] = [    { label: 'Desktop', value: 'desktop', icon: 'monitor' },    { label: 'Tablet', value:
'tablet', icon: 'tablet' },    { label: 'Mobile', value: 'mobile', icon: 'smartphone' }  ];
onMessageSent(message: string) {    console.log('Message sent:', message);  }  onIconClick(event: any) {
console.log('Icon clicked:', event);  }  onAttachFile() {    console.log('Attach file clicked');  }  onAddImage()
{    console.log('Add image clicked');  }  onVoiceRecord() {    console.log('Voice record clicked');  }  onSend()
{    console.log('Send clicked');  }  onCustomAction() {    console.log('Custom action clicked');  }
onSaveDraft() {    console.log('Save draft clicked');  }  onClear() {    console.log('Clear clicked');  }
onSendMessage() {    console.log('Send message clicked');  }
```

Prompt Bars can include action icons on both sides of the input field. Each icon can be interactive — triggering specific actions like attachments, voice input, or emoji selectors. Icons are customizable with colors, visibility, and click handlers, making it easy to extend the bar's functionality.

File Upload

```
<div>  <h1>File Upload Integration (Tags as Thumbnails)</h1>  <aava-prompt-bar    placeholder="Type your message
with attached files..."    selectPlaceholder="Choose your device"    [icons]="icons"    [tags]="tags"
[deviceOptions]="deviceOptions"    [showSelection]="true"    [showImage]="false"
(tagRemoved)="onTagRemoved($event)"  >  </aava-prompt-bar></div><div>  <h1>File Upload with Image Preview (Images
as Previews)</h1>  <aava-prompt-bar    placeholder="Upload images to see preview..."    selectPlaceholder="Choose
your device"    [icons]="imageIcons"    [tags]="tagsWithImages"    [deviceOptions]="deviceOptions"
[showSelection]="true"    [showImage]="true"    (tagRemoved)="onTagRemovedWithImages($event)"  >  </aava-prompt-
bar></div>
```

```
<div>  <h1>File Upload Integration (Tags as Thumbnails)</h1>  <aava-prompt-bar    placeholder="Type your message
with attached files..."    selectPlaceholder="Choose your device"    [icons]="icons"    [tags]="tags"
[deviceOptions]="deviceOptions"    [showSelection]="true"    [showImage]="false"
(tagRemoved)="onTagRemoved($event)"  >  </aava-prompt-bar></div><div>  <h1>File Upload with Image Preview (Images
as Previews)</h1>  <aava-prompt-bar    placeholder="Upload images to see preview..."    selectPlaceholder="Choose
your device"    [icons]="imageIcons"    [tags]="tagsWithImages"    [deviceOptions]="deviceOptions"
[showSelection]="true"    [showImage]="true"    (tagRemoved)="onTagRemovedWithImages($event)"  >  </aava-prompt-
bar></div>
```

You can attach files or images to the prompt bar as tags or image previews. When showImage is enabled, supported image formats (jpg, png, webp, etc.) appear as visual thumbnails, while other files display as tags. This is ideal for chat interfaces or upload workflows.

States & Configuration

```
<div>  <h1>Default State</h1>  <aava-prompt-bar placeholder="Type your message here..." [icons]="icons">  </aava-
prompt-bar></div><div>  <h1>Disabled State</h1>  <aava-prompt-bar    placeholder="This prompt bar is disabled"
[disabled]="true"    [icons]="icons"  >  </aava-prompt-bar></div><div>  <h1>Auto-resize Textarea</h1>  <aava-
prompt-bar    placeholder="This textarea will auto-resize as you type..."    [textAreaAutoResize]="true"
[textAreaMaxHeight]="200"    [icons]="icons"  >  </aava-prompt-bar></div>
```

```
<div>  <h1>Default State</h1>  <aava-prompt-bar placeholder="Type your message here..." [icons]="icons">  </aava-
prompt-bar></div><div>  <h1>Disabled State</h1>  <aava-prompt-bar    placeholder="This prompt bar is disabled"
[disabled]="true"    [icons]="icons"  >  </aava-prompt-bar></div><div>  <h1>Auto-resize Textarea</h1>  <aava-
prompt-bar    placeholder="This textarea will auto-resize as you type..."    [textAreaAutoResize]="true"
[textAreaMaxHeight]="200"    [icons]="icons"  >  </aava-prompt-bar></div>
```

```
 icons: PromptIcons[] = [    {      name: 'send',      slot: 'icon-end',      color: 'var(--color-text-primary)',
visible: true,      click: () => this.onSend()    } ];  onSend() {    console.log('Send clicked');  }
```

```
 icons: PromptIcons[] = [    {      name: 'send',      slot: 'icon-end',      color: 'var(--color-text-primary)',
visible: true,      click: () => this.onSend()    } ];  onSend() {    console.log('Send clicked');  }
```

The Prompt Bar supports various states such as disabled, and offers configurable options for width, height, placeholder text, and icon layout. You can also control auto-resizing, selection dropdowns, and behavior for multi-line input. These settings help integrate the component seamlessly into different UI contexts.

Prompt Bar Features

- Multi-line Input: Configurable textarea with adjustable rows

- Customizable Icons: Action icons positioned at start and end slots

- Device Selection: Dropdown for selecting target devices or platforms

- File Attachments: Visual badges for uploaded images with removal

- Size Variants: Four size options (xs, sm, md, lg) for different layouts

- Keyboard Shortcuts: Enter to send, Shift+Enter for new lines

- Responsive Design: Mobile-optimized layout with touch-friendly controls

- Auto-scroll: Automatic scrolling to bottom for new content

Features

Multi-line Text Input

The core of the prompt bar is a flexible textarea:

- Configurable Rows: Set the number of visible rows (default: 3)

- Auto-resize: Textarea adjusts to content while maintaining layout

- Placeholder Text: Customizable placeholder for user guidance

- Input Validation: Built-in validation and error handling

- Accessibility: Full keyboard navigation and screen reader support

Icon System

Flexible icon positioning and interaction:

- Slot-based Layout: Icons can be placed inicon-startoricon-endslots

- Customizable Appearance: Size, color, and visibility controls

- Click Handlers: Custom click functions for each icon

- Conditional Display: Show/hide icons based on context

- Responsive Sizing: Automatic size adjustments based on component size

```
icon-start
```

```
icon-end
```

Device Selection

Integrated dropdown for target device selection:

- Custom Options: Define device types with labels and icons

- Visual Indicators: Icons for each device type

- Responsive Layout: Adapts to available space

- Integration Ready: Seamlessly integrates with existing selection systems

- Accessibility: Full keyboard and screen reader support

File Management

Visual file attachment system:

- Image Badges: Display uploaded images as removable tags

- File Information: Show file size, type, and preview

- Removal Controls: Easy file removal with click interaction

- Responsive Layout: Adapts to different screen sizes

- Visual Feedback: Clear indication of attached files

Size Variants

Four predefined size configurations:

- xs (Extra Small): Compact layout for tight spaces

- sm (Small): Standard small layout with balanced proportions

- md (Medium): Default size with optimal spacing

- lg (Large): Spacious layout for prominent displays

API Reference

Input Properties

```
Property | Type | Default | Description
messages | PromptMessage[] | [] | Array of previous messages for context
placeholder | string | 'Type a message' | Placeholder text for the input field
disabled | boolean | false | Disable the prompt bar input
icons | PromptIcons[] | [] | Array of icons to display
rows | number | 3 | Number of visible rows in the textarea
deviceOptions | DropdownOption[] | [] | Options for device selection dropdown
showSelection | boolean | false | Show the device selection dropdown
fileOption | string | '' | File upload option configuration
size | 'lg' | 'md' | 'sm' | 'xs' | 'md' | Size variant for the prompt bar
uploadedImages | uploadedImages[] | [] | Array of uploaded image attachments
width | number | 0 | Custom width for the prompt bar
height | number | 0 | Custom height for the prompt bar
textAreaMaxHeight | number | 0 | Maximum height for the textarea
textAreaAutoResize | boolean | false | Auto-resize textarea based on content
```

```
messages
```

```
PromptMessage[]
```

```
[]
```

```
placeholder
```

```
string
```

```
'Type a message'
```

```
disabled
```

```
boolean
```

```
false
```

```
icons
```

```
PromptIcons[]
```

```
[]
```

```
rows
```

number
3

deviceOptions
DropdownOption[]
[]

showSelection
boolean
false

fileOption
string
''

size
'lg'	'md'	'sm'	'xs'
'md'

uploadedImages
uploadedImages[]
[]

width
number
0

height
number
0

textAreaMaxHeight
number
0

textAreaAutoResize

boolean

false

Output Events

```
Event | Type | Description
messageSent | EventEmitter | Emitted when a message is sent
iconClicked | EventEmitter<{ icon: PromptIcons; currentMessage: string }> | Emitted when an icon is clicked
```

messageSent

EventEmitter<string>

iconClicked

EventEmitter<{ icon: PromptIcons; currentMessage: string }>

Interfaces

```
interface PromptIcons {  name: string; // Icon name/identifier  click?: () => void; // Optional click handler
function  size?: string; // Icon size (e.g., '20px')  color?: string; // Icon color (hex, rgb, etc.)  slot: "icon-
start" | "icon-end"; // Position slot  visible?: boolean; // Whether icon is visible}
```

```
interface PromptIcons {  name: string; // Icon name/identifier  click?: () => void; // Optional click handler
function  size?: string; // Icon size (e.g., '20px')  color?: string; // Icon color (hex, rgb, etc.)  slot: "icon-
start" | "icon-end"; // Position slot  visible?: boolean; // Whether icon is visible}
```

```
interface DropdownOption {  label: string; // Display text for the option  value: string; // Value associated with
the option  icon: string; // Icon name for the option}
```

```
interface DropdownOption {  label: string; // Display text for the option  value: string; // Value associated with
the option  icon: string; // Icon name for the option}
```

```
interface uploadedImages {  id: number; // Unique identifier for the image  label: string; // Display label for
the image  image: string; // Image URL or data  icon: string; // Icon to display with the image  size: string; //
File size information}
```

```
interface uploadedImages {  id: number; // Unique identifier for the image  label: string; // Display label for
the image  image: string; // Image URL or data  icon: string; // Icon to display with the image  size: string; //
File size information}
```

Methods

```
// Trigger message send programmaticallytriggerSend(): void// Get current message contentgetCurrentMessage():
string// Get icon size based on component sizeget getIconSize(): number// Get icons filtered by slot
positiongetIconsBySlot(slot: 'icon-start' | 'icon-end'): PromptIcons[]// Get size class for
stylinggetPromptBarSizeClass(): string
```

```
// Trigger message send programmaticallytriggerSend(): void// Get current message contentgetCurrentMessage():
string// Get icon size based on component sizeget getIconSize(): number// Get icons filtered by slot
positiongetIconsBySlot(slot: 'icon-start' | 'icon-end'): PromptIcons[]// Get size class for
stylinggetPromptBarSizeClass(): string
```

```
// Handle message sendingsendMessage(): void// Handle keyboard inputonKeyPress(event: KeyboardEvent): void//
Handle input changesonInput(event: Event): void// Handle icon clicksonIconClick(icon: PromptIcons): void// Handle
file badge removalremoveBadge(id: number): void// Handle device selection changesonSelectionChange(data: any):
void
```

```
// Handle message sendingsendMessage(): void// Handle keyboard inputonKeyPress(event: KeyboardEvent): void//
Handle input changesonInput(event: Event): void// Handle icon clicksonIconClick(icon: PromptIcons): void// Handle
file badge removalremoveBadge(id: number): void// Handle device selection changesonSelectionChange(data: any):
void
```

CSS Custom Properties

The prompt bar component uses CSS custom properties for theming:

Container Properties

```
Property | Default Value | Description
--textbox-background | #ffffff | Background color of the prompt bar
--promptbar-border | 1px solid #e2e8f0 | Border style of the prompt bar
--promptbar-border-radius | 8px | Border radius of the prompt bar
--textbox-textarea-container-padding | 16px | Padding for the textarea container
--textbox-gap | 12px | Gap between elements
```

```
--textbox-background
```

```
#ffffff
```

```
--promptbar-border
```

```
1px solid #e2e8f0
```

```
--promptbar-border-radius
```

```
8px
```

```
--textbox-textarea-container-padding
```

```
16px
```

```
--textbox-gap
```

```
12px
```

Textarea Properties

```
Property | Default Value | Description
--textbox-textarea-container-padding | 16px | Padding for the textarea
--textbox-gap | 12px | Gap between textarea elements
```

```
--textbox-textarea-container-padding
```

```
16px
```

```
--textbox-gap
```

```
12px
```

Badge Properties

```
Property | Default Value | Description
--badge-default-background | #f3f4f6 | Background color for badges
--promptbar-text-color | #6b7280 | Text color for badges
```

```
--badge-default-background
```

```
#f3f4f6
```

```
--promptbar-text-color
```

```
#6b7280
```

Responsive Breakpoints

```
Breakpoint | Description
max-width: 576px | Mobile layout adjustments
max-width: 360px | Small mobile optimizations
```

```
max-width: 576px
```

```
max-width: 360px
```

Best Practices

Icon Configuration

• Logical Grouping: Group related icons in the same slot

• Consistent Sizing: Use consistent icon sizes within the same component

• Meaningful Colors: Use colors that convey meaning (e.g., green for success)

• Accessibility: Ensure icons have proper alt text and descriptions

• Touch Targets: Maintain adequate touch target sizes for mobile

Device Selection

• Clear Labels: Use descriptive labels for device options

• Relevant Icons: Choose icons that clearly represent each device type

• Logical Ordering: Arrange options in logical order (e.g., Desktop, Tablet, Mobile)

• Default Selection: Provide sensible default device selection

• Validation: Validate device selection before processing

File Management

• File Types: Support common image formats (JPG, PNG, GIF)

• Size Limits: Implement reasonable file size restrictions

• Preview Quality: Provide clear image previews in badges

• Removal Confirmation: Consider confirmation for file removal

• Error Handling: Gracefully handle file upload failures

User Experience

• Keyboard Shortcuts: Provide intuitive keyboard navigation

• Visual Feedback: Clear indication of input states and actions

• Responsive Design: Ensure usability across all device sizes

• Loading States: Show loading indicators for async operations

• Error Messages: Provide helpful error messages and recovery options

Performance

• Icon Optimization: Use optimized icon assets

• Lazy Loading: Load non-critical features on demand

• Event Handling: Efficient event listener management

• Memory Management: Proper cleanup of file references

• Change Detection: Use OnPush strategy for optimal performance