



ASP.NET Mobile Controls



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Core Controls

- Command Control
- Image Control
- Label Control
- Link Control
- TextBox Control
- TextView Control

Command

- Allows you to invoke postback so that user input is transferred back to the server.
- ```
<mobile:Command ID="id" runat="server">
Text
</mobile:Command>
```

# Image

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- Allows you to display graphics files.
- Issues:
  - Different graphics formats supported by different handheld devices.
  - Screen size
  - In most cases, you have to supply graphics in multiple formats and use DeviceSpecific and Choice to send the correct one.

```
<mobile:Image ImageUrl="foo.jpg" ID="id" runat="server" />
```

# Label

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- Allows you to place small, read-only text strings on the output device screen.

```
<mobile:Label Text="text" ID="id" runat="server" />
```

# Link

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- Allows you to place a hyperlink on a page in order to link to another form control or to an arbitrary Internet resource.

```
<mobile:Link ID="id" runat="server" NavigateUrl="url">
 Link Text
</mobile:Link>
```

# TextBox

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- Enables single-line input.

```
<mobile:TextBox
 ID="id"
 runat="server"
 MaxLength="8"
 Size="9">
```

```
</mobile:TextBox>
```

# TextView

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- Allows you to display text that is too long for the Label control.

```
<mobile:TextView ID="id" runat="server">
 Text
</mobile:TextView>
```



# Special Purpose Controls

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- Calendar
- PhoneCall
- AdRotator

# Calendar

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- Allows you to easily integrate date-selection functionality into a mobile Web application.
- Select a day, change months, years, etc.

```
<mobile:Calendar ID="id" runat="server" />
```

# PhoneCall

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- Allows you to easily take advantage of a mobile phone's voice call capabilities.
- Two options for programmatically initiating voice calls:
  - Full programmatic access that automatically initiates a voice call. Device may ask user if s/he wants to place the call.
  - A Use Number option that allows the user to optionally call a number within a page, regardless of whether the phone displays that number to the user.

# PhoneCall

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```
<mobile:PhoneCall
 ID="id"
 runat="server"
 PhoneNumber="765-555-4444"
 Text="Hamburger Boss" >
```

```
</mobile:PhoneCall>
```

# AdRotator

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- Provides an advertisement rotation service that you can easily insert into mobile Web forms.
- Provide graphical advertisements that match the handheld's graphics formats.
- An XML configuration file references the source graphics files.

# AdRotator XML

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## ■ Specified Format:

```
<?xml version="1.0"?>
<Advertisements>
 <Ad>
 <ImageUrl></ImageUrl>
 <MonoImageUrl></MonoImageUrl>
 <NavigateUrl></NavigateUrl>
 <AlternateText></AlternateText>
 <Keyword></Keyword>
 <Impressions></Impressions>
 </Ad>
 <Ad>
 ...
 </Ad>
</Advertisements>
```

# AdRotator

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```
<mobile:AdRotator
 ID="id"
 Runat="server"
 AdvertisementFile="relativeUrl"
 ImageKey="XML element"
 KeywordFilter="filter"
 NavigateUrlKey="XML element">

</mobile:AdRotator>
```