



Control Object Properties

DireXions 2025 – Pathways to Progress

Control Object Properties

- [Control Object Properties](#) are configurable settings that define the visual presentation of individual control objects
- Various settings can be defined such as background/foreground colors, fonts, borders, and other attributes
- Applicable to the following graphical controls:
 - Buttons
 - Charts
 - Check Boxes
 - Drop Boxes
 - Grids
 - List Boxes
 - Multi-Lines
 - Radio Buttons
 - Scroll Bars
 - Tree Views
- Can be used for both NOMADS and non-NOMADS applications

Properties added in PxPlus 2025:

- Check Boxes
- Radio Buttons
- Grids
- Drop Boxes
- Variable Drop Boxes
- Multi-Lines
- Multi-Lines Rich Text

Control Object Properties

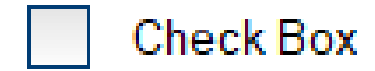
- Setting Control Object Properties
 - Various properties of graphical control objects (i.e. Button, Drop Box, etc.) can be referenced and modified dynamically
 - Use the control's assigned CTL value (ctl_id) followed by the apostrophe operator and the associated property name

Examples

```
StateDropBox.ctl'FrameColor$="Light Green"
```

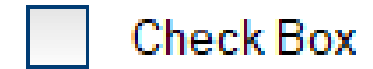
```
ExitButton.ctl'BorderColor$="Red"
```

Check Box Properties



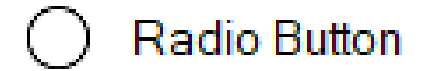
Property	Description	Example
CbDisableFrameColor\$	Sets the frame color for disabled standard Check Boxes	 Check Box
CbDisableMarkColor\$	Sets the color of the check mark or X for disabled standard Check Boxes	 Check Box
DisableBackColor\$	Sets the disabled background color for standard Check Boxes	 Check Box
ActiveBackColor\$	Sets the active background color for standard Check Boxes	 Check Box

Check Box Properties



Property	Description	Example
HoverBackColor\$	Sets the hover background color for standard Check Boxes	 Check Box
HoverBorderColor\$	Sets the hover border color for standard Check Boxes	 Check Box
HoverTextColor\$	Sets the hover text color for standard Check Boxes	 Check Box

Radio Button Properties



Property	Description	Example
RbDisableFrameColor\$	Sets the frame color for disabled standard Radio Buttons	 Radio Button
RbDisableMarkColor\$	Sets the color of the circle for disabled standard Radio Buttons	 Radio Button
DisableBackColor\$	Sets the disabled background color for standard Radio Buttons	 Radio Button
ActiveBackColor\$	Sets the active background color for standard Radio Buttons	 Radio Button

Radio Button Properties



Radio Button

Property	Description	Example
HoverBackColor\$	Sets the hover background color for standard Radio Buttons	 Radio Button
HoverBorderColor\$	Sets the hover border color for standard Radio Buttons	 Radio Button
HoverTextColor\$	Sets the hover text color for standard Radio Buttons	 Radio Button

Grid Properties

	Code	Name	Dept		Hold
1	AK	Anya Kowalski	NORTH	...	☐
2	MA	Mark Anderson	EAST	...	☒
3	OM	Omar Mansour	WEST	...	☐
4	PR	Priya Reddy	NORTH	...	☐

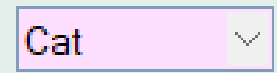
Property	Description	Example																														
CbMarkColor\$	Sets the color of the check mark or X in the Check Box	<table><tr><th></th><th>Code</th><th>Name</th><th>Dept</th><th></th><th>Hold</th></tr><tr><td>1</td><td>AK</td><td>Anya Kowalski</td><td>NORTH</td><td>...</td><td>☐</td></tr><tr><td>2</td><td>MA</td><td>Mark Anderson</td><td>EAST</td><td>...</td><td>☒</td></tr><tr><td>3</td><td>OM</td><td>Omar Mansour</td><td>WEST</td><td>...</td><td>☒</td></tr><tr><td>4</td><td>PR</td><td>Priya Reddy</td><td>NORTH</td><td>...</td><td>☐</td></tr></table>		Code	Name	Dept		Hold	1	AK	Anya Kowalski	NORTH	...	☐	2	MA	Mark Anderson	EAST	...	☒	3	OM	Omar Mansour	WEST	...	☒	4	PR	Priya Reddy	NORTH	...	☐
	Code	Name	Dept		Hold																											
1	AK	Anya Kowalski	NORTH	...	☐																											
2	MA	Mark Anderson	EAST	...	☒																											
3	OM	Omar Mansour	WEST	...	☒																											
4	PR	Priya Reddy	NORTH	...	☐																											
HdrLineColor\$	Sets the color of the border lines drawn between columns when the 'ExcelStyle' property is set. Only for top row	<table><tr><th></th><th>Code</th><th>Name</th><th>Dept</th><th></th><th>Hold</th></tr><tr><td>1</td><td>AK</td><td>Anya Kowalski</td><td>NORTH</td><td>...</td><td>☐</td></tr><tr><td>2</td><td>MA</td><td>Mark Anderson</td><td>EAST</td><td>...</td><td>☒</td></tr><tr><td>3</td><td>OM</td><td>Omar Mansour</td><td>WEST</td><td>...</td><td>☒</td></tr><tr><td>4</td><td>PR</td><td>Priya Reddy</td><td>NORTH</td><td>...</td><td>☐</td></tr></table>		Code	Name	Dept		Hold	1	AK	Anya Kowalski	NORTH	...	☐	2	MA	Mark Anderson	EAST	...	☒	3	OM	Omar Mansour	WEST	...	☒	4	PR	Priya Reddy	NORTH	...	☐
	Code	Name	Dept		Hold																											
1	AK	Anya Kowalski	NORTH	...	☐																											
2	MA	Mark Anderson	EAST	...	☒																											
3	OM	Omar Mansour	WEST	...	☒																											
4	PR	Priya Reddy	NORTH	...	☐																											
RowHeaderLineColor\$	Sets the color of the border lines drawn between rows when the 'ExcelStyle' property is set. Does not affect the top row	<table><tr><th></th><th>Code</th><th>Name</th><th>Dept</th><th></th><th>Hold</th></tr><tr><td>1</td><td>AK</td><td>Anya Kowalski</td><td>NORTH</td><td>...</td><td>☐</td></tr><tr><td>2</td><td>MA</td><td>Mark Anderson</td><td>EAST</td><td>...</td><td>☒</td></tr><tr><td>3</td><td>OM</td><td>Omar Mansour</td><td>WEST</td><td>...</td><td>☒</td></tr><tr><td>4</td><td>PR</td><td>Priya Reddy</td><td>NORTH</td><td>...</td><td>☐</td></tr></table>		Code	Name	Dept		Hold	1	AK	Anya Kowalski	NORTH	...	☐	2	MA	Mark Anderson	EAST	...	☒	3	OM	Omar Mansour	WEST	...	☒	4	PR	Priya Reddy	NORTH	...	☐
	Code	Name	Dept		Hold																											
1	AK	Anya Kowalski	NORTH	...	☐																											
2	MA	Mark Anderson	EAST	...	☒																											
3	OM	Omar Mansour	WEST	...	☒																											
4	PR	Priya Reddy	NORTH	...	☐																											

Grid Properties

	Code	Name	Dept		Hold
1	AK	Anya Kowalski	NORTH	...	☐
2	MA	Mark Anderson	EAST	...	☒
3	OM	Omar Mansour	WEST	...	☐
4	PR	Priya Reddy	NORTH	...	☐

Property	Description	Example																														
LockBackButtonColor\$	Sets the background color for locked system-generated buttons, including Drop Box and Query buttons	<table><tr><th></th><th>Code</th><th>Name</th><th>Dept</th><th></th><th>Hold</th></tr><tr><td>1</td><td>AK</td><td>Anya Kowalski</td><td>NORTH</td><td>...</td><td>☐</td></tr><tr><td>2</td><td>MA</td><td>Mark Anderson</td><td>EAST</td><td>...</td><td>☒</td></tr><tr><td>3</td><td>OM</td><td>Omar Mansour</td><td>WEST</td><td>...</td><td>☒</td></tr><tr><td>4</td><td>PR</td><td>Priya Reddy</td><td>NORTH</td><td>...</td><td>☐</td></tr></table>		Code	Name	Dept		Hold	1	AK	Anya Kowalski	NORTH	...	☐	2	MA	Mark Anderson	EAST	...	☒	3	OM	Omar Mansour	WEST	...	☒	4	PR	Priya Reddy	NORTH	...	☐
	Code	Name	Dept		Hold																											
1	AK	Anya Kowalski	NORTH	...	☐																											
2	MA	Mark Anderson	EAST	...	☒																											
3	OM	Omar Mansour	WEST	...	☒																											
4	PR	Priya Reddy	NORTH	...	☐																											
LockForegroundButtonColor\$	Sets the foreground text color for locked system-generated buttons, including Drop Box and Query buttons	<table><tr><th></th><th>Code</th><th>Name</th><th>Dept</th><th></th><th>Hold</th></tr><tr><td>1</td><td>AK</td><td>Anya Kowalski</td><td>NORTH</td><td>...</td><td>☐</td></tr><tr><td>2</td><td>MA</td><td>Mark Anderson</td><td>EAST</td><td>...</td><td>☒</td></tr><tr><td>3</td><td>OM</td><td>Omar Mansour</td><td>WEST</td><td>...</td><td>☒</td></tr><tr><td>4</td><td>PR</td><td>Priya Reddy</td><td>NORTH</td><td>...</td><td>☐</td></tr></table>		Code	Name	Dept		Hold	1	AK	Anya Kowalski	NORTH	...	☐	2	MA	Mark Anderson	EAST	...	☒	3	OM	Omar Mansour	WEST	...	☒	4	PR	Priya Reddy	NORTH	...	☐
	Code	Name	Dept		Hold																											
1	AK	Anya Kowalski	NORTH	...	☐																											
2	MA	Mark Anderson	EAST	...	☒																											
3	OM	Omar Mansour	WEST	...	☒																											
4	PR	Priya Reddy	NORTH	...	☐																											

Drop Box Properties

Property	Description	Example
HoverBackColor\$	Sets the hover background color for Drop Boxes and Variable Drop Boxes	
HoverBorderColor\$	Sets the hover border color for Drop Boxes and Variable Drop Boxes	
HoverTextColor\$	Sets the hover text color Drop Boxes and Variable Drop Boxes	

Note: In PxPlus 2024, we added the ability to control drop arrow colors and drop arrow background colors

Multi-Line Properties

ABC Company Ltd

Property	Description	Example
HoverBackColor\$	Sets the hover background color for Multi-Lines and Rich Text Multi-Lines	ABC Company Ltd
HoverBorderColor\$	Sets the hover border color for Multi-Lines and Rich Text Multi-Lines	ABC Company Ltd
HoverTextColor\$	Sets the hover text color for Multi-Lines and Rich Text Multi-Lines	ABC Company Ltd

Control Object Properties

- We've introduced many new similar properties across various controls, ensuring your applications maintain a consistent and modern look and feel