


Drag-and-drop Icons to GameMaker Language Reference

For users with previous experience of using GameMaker's drag-and-drop interface, making the leap to pure coding can be quite stressful. Trying to understand what each icon is doing can be confusing, as it is often more than a single function. In order to help users undergo the transition successfully, we have provided a thorough reference of the code equivalent to all the drag-and-drop icons.


Understanding the reference

The purpose of this reference is to help readers who have familiarity with drag-and-drop coding, and want to be able to convert their knowledge into using the GameMaker Language. This reference is not intended to explain how to use the functions, explain all the parameters, or demonstrate how it could be used in a game. GameMaker: Studio comes with thorough help documentation for this purpose.


The reference is set up with three columns, the first with the Drag-and-Drop **Icon**, the second contains the **Options** available, and the third has the **Code Equivalent**. When looking at the Options, we have declared the type of data it is expecting to be input, such as a number. If the Code Equivalent is a variable we set it to the data type. For example, as you can see in the following table, in the Icon column we have **Speed Horizontal**. The only Option for this Action is **Hor speed** which requires a number. The GML Code Equivalent for this is to set a number value for the variable `hspeed`:

Icon and icon name	Options	Code Equivalent
 Speed Horizontal	Hor speed: number	<code>hspeed = number;</code>

If the Code Equivalent is a function we use the name of the Option as the parameter. For example, as you can see in the following table, we have **Create Instance**, which has Options for the **object**, and the **X** and **Y** positions. In the Code Equivalent for this is the `instance_create` function that has three parameters, for which we use the same name as the options: the `x` and `y` positions, and the `object`.

Icon and icon name	Options	Code Equivalent
 Create Instance	object: Object X: number Y: number	<code>instance_create(x, y, object);</code>

If you see other parameters in the function that are not associated with the name of an Option, it means the drag-and-drop icon does not make this adjustable and the parameter is set to its default value. For example, as seen in the following table, **Replace Sprite** has three Options, while the code equivalent has five parameters. The final two parameters are actually for the origin of the sprite, but the default value for these is 0.

Icon and icon name	Options	Code Equivalent
 Replace Sprite	sprite: Sprite filename: filename. ext images: number	<code>sprite_ replace(sprite, filename, images, 0, 0);</code>

Common attributes

Many, though not all, of the drag-and-drop actions have three common attributes: **Applies To**, **Relative**, and **NOT**.

Applies To allows us to assign the executed code to a specific instance. The first option is **Self**, which is the default and does not need any special code to run. The second option is for **Other**, a special built-in variable which is only meaningful for collision events. In a collision event, the **Other** variable is assigned the unique ID of the "other" instance. If not used in a collision event, other will be returned as **no one**, a built-in constant indicating no object. The final option is for **Object**, which will apply to every instance of an object type in existence. If you select a parent object, all children will be affected as well.

The Code Equivalent for all of these is to use a `with` statement as follows:

- Applies to Other:

```
with ( other ) { //GML code goes here }
```
- Applies to Object

```
with ( object name ) { //GML code goes here }
```

Relative allows us to apply a new value to an existing value as opposed to being overwritten by the new value. For example, when scoring points we would want it to be relative to the previous score. For variables, this can be denoted by using `+=` when setting the value. In a function you would want to use the existing parameter and add the new value.

- Relative variable

```
score += 10;
```
- Relative function

```
instance_create(x+8, y+8, object0);
```

NOT is used for questions that require a negative answer, such as if the score is not equal to 100. This is denoted by the use of an exclamation mark.

- NOT variable

```
if (score != 100)
```
- NOT function

```
if (!place_free(x, y))
```






The move tab





The **move** tab contains all the functionalities for moving an instance around the world. This is broken into four subsections: **Move**, **Jump**, **Paths**, and **Steps**.



The Move subsection




The **Move** subsection contains the actions for applying velocity, gravity, and friction to an instance.





Icon and icon name	Options	Code Equivalent
 Move Fixed	Direction: selectable arrows Speed: number	Starting from the right arrow going counterclockwise: <pre> arrow1 = 0; arrow2 = 45; arrow3 = 90; arrow4 = 135; arrow5 = 180; arrow6 = 225; arrow7 = 270; arrow8 = 315; </pre> Use the selected arrows only: <pre> direction = choose(arrow1, arrow2, ...); speed = number; </pre>
 Move Free	Direction: number Speed: number	<pre> direction = number; speed = number; </pre>
 Move Towards	X: number Y: number Speed: number	<pre> move_towards_point(x, y, speed); </pre>
 Speed Horizontal	Hor speed: number	<pre> hspeed = number; </pre>
 Speed Vertical	Vert speed: number	<pre> vspeed = number; </pre>

Icon and icon name	Options	Code Equivalent
 Reverse Horizontal	None	<code>hspeed = -hspeed;</code>
 Reverse Vertical	None	<code>vspeed = -vspeed;</code>
 Set Gravity	Direction: number Gravity: number	<code>gravity_direction = number;</code> <code>gravity = number;</code>
 Set Friction	Friction: number	<code>friction = number;</code>

The Jump subsection





The **Jump** subsection has the actions for relocating and redirecting the movement of an instance.

Icon and icon name	Options	Code Equivalent
 Jump to Position	X: number Y: number	<code>x = number;</code> <code>y = number;</code>
 Jump to Start	None	<code>x = xstart;</code> <code>y = ystart;</code>
 Jump to Random	Snap hor: number Snap vert: number	<code>move_random(snap hor, snap vert);</code>

Icon and icon name	Options	Code Equivalent
 Align to Grid	Snap hor: number Snap vert: number	<code>move_snap(snap hor, snap vert);</code>
 Wrap Screen	Direction: <ul style="list-style-type: none"> • Horizontal • Vertical • In both directions 	Horizontal: <code>move_wrap(true, false, sprite_width / 2);</code> Vertical: <code>move_wrap(false, true, sprite_height / 2);</code> In both directions: <code>move_wrap(true, false, sprite_width / 2);</code> <code>move_wrap(false, true, sprite_height / 2);</code>
 Move to Contact	Direction: number Maximum: number Against: <ul style="list-style-type: none"> • Solid objects • All objects 	Solid objects: <code>move_contact_solid(direction, maximum);</code> All objects: <code>move_contact_all(direction, maximum);</code>
 Bounce	Precise: (Boolean) <ul style="list-style-type: none"> • Not precisely • Precisely Against: <ul style="list-style-type: none"> • Solid objects • All objects 	against solid objects: <code>move_bounce_solid(precise);</code> against all objects: <code>move_bounce_all(precise);</code>



The Path subsection

The **Path** subsection contains the actions related to using the built-in GameMaker paths.

Icon and icon name	Options	Code Equivalent
 Set Path	path: Path speed: number at end: (0-3) <ul style="list-style-type: none">• stop• continue from start• continue from here• reverse relative: (Boolean) <ul style="list-style-type: none">• relative• absolute	<pre>path_start(path, speed, at end, relative);</pre>
 End Path	None	<pre>path_end();</pre>
 Path Position	position: number between 0-1	<pre>path_position = number between 0-1;</pre>
 Path Speed	speed: number	<pre>path_speed = number;</pre>

The Step subsection

The **Step** subsection has the actions for advanced path finding.

Icon and icon name	Options	Code Equivalent
 Step Towards	x: number y: number speed: number stop at: (Boolean) <ul style="list-style-type: none"> • solid only • all instances 	<pre>mp_linear_step(x, y, speed, stop at);</pre>
 Step Avoiding	x: number y: number speed: number avoid: (Boolean) <ul style="list-style-type: none"> • solid only • all instances 	<pre>mp_potential_step(x, y, speed, avoid);</pre>






The main1 tab

The **main1** tab contains the most common functionality related to the various game assets. There are four subsections: **Objects**, **Sprite**, **Sounds**, and **Rooms**.






The Objects subsection

The **Objects** subsection contains the actions for creating and destroying instances.

Icon and icon name	Options	Code Equivalent
 Create Instance	object: Object x: number y: number	<code>instance_create(x, y, object);</code>
 Create Moving	object: Object x: number y: number speed: number direction: number	<code>obj = instance_create(x, y, object); obj.speed = number; obj.direction = number;</code>
 Create Random	object 1: Object object 2: Object object 3: Object object 4: Object x: number y: number	<code>obj = choose(object1, object2, object3, object4); instance_create(x, y, obj);</code>
 Change Instance	change into: Object perform events: (Boolean) not yes None	<code>instance_change(change into, perform events);</code>
 Destroy Instance		<code>instance_destroy();</code>
 Destroy at Position	x: number y: number	<code>position_destroy(x, y);</code>


The Sprite subsection



The **Sprite** subsection has the actions for altering the sprite of an instance.

Icon and icon name	Options	Code Equivalent
 Change Sprite	sprite: Sprite subimage: number speed: number	<pre>sprite_index = Sprite; image_index = number; image_speed = number;</pre>
 Transform Sprite	xscale: number yscale: number angle: number mirror: <ul style="list-style-type: none"> • no mirroring • mirror horizontal • flip vertical • mirror and flip 	<pre>image_xscale = number; image_yscale = number; image_angle = number;</pre> <p>Mirror Horizontal:</p> <pre>image_xscale *= -1;</pre> <p>Flip Vertical:</p> <pre>image_yscale *= -1;</pre> <p>Mirror and Flip:</p> <pre>image_xscale *= -1; image_yscale *= -1;</pre>
 Color Sprite	color: Color alpha: number	<pre>image_blend = color; image_alpha = number;</pre>

The Sounds subsection





The **Sounds** subsection has the actions related to audio.



Icon and icon name	Options	Code Equivalent
 Play Sound	sound: Sound loop: (Boolean) <ul style="list-style-type: none"> • false • true 	<p>Legacy Mode:</p> <pre>sound_play(sound);</pre> <p>loop: true</p> <pre>sound_loop(sound);</pre> <p>New Audio Engine:</p> <p>Normal Sound:</p> <pre>audio_play_sound(sound, 0, loop);</pre> <p>Background Music:</p> <pre>audio_play_music(sound, loop);</pre>

Icon and icon name	Options	Code Equivalent
 Stop Sound	sound: Sound	Legacy Mode: <code>sound_stop(sound);</code> New Audio Engine: Normal Sound: <code>audio_stop_sound(sound);</code> Background Music: <code>audio_stop_music(sound);</code>
 Check Sound	sound: Sound	Legacy Mode: <code>if sound_isplaying(sound);</code> New Audio Engine: <code>audio_is_playing(sound);</code>

The Rooms subsection

The **Rooms** subsection contains the actions for switching rooms.

Icon and icon name	Options	Code Equivalent
 Previous Room	None	<code>room_goto_previous();</code>
 Next Room	None	<code>room_goto_next();</code>
 Restart Room	None	<code>room_restart();</code>
 Different Room	room: Room	<code>room_goto(room);</code>

Icon and icon name	Options	Code Equivalent
 Check Previous	None	<code>if (room_previous(room) != -1)</code>
 Check Next	None	<code>if (room_next(room) != -1)</code>







The main2 tab


The **main2** tab contains the common functionality for dealing with time, showing messages, game, and resource controls. There are four subsections: **Timing**, **Info**, **Game**, and **Resources**.



The Timing subsection



The **Timing** subsection contains the actions for using alarms and timelines.

Icon and icon name	Options	Code Equivalent
 Set Alarm	number of steps: number in alarm no: 0-11	<code>alarm[0 - 11] = number;</code>
 Set Time Line	time line: Time Line position: Number start: (Boolean) <ul style="list-style-type: none">• Start Immediately• Don't Start loop: (Boolean) <ul style="list-style-type: none">• Don't Loop• Loop	<code>timeline_index = Time Line;</code> <code>timeline_running = Boolean;</code> <code>timeline_loop = Boolean;</code>
 Time Line Position	position: number	<code>timeline_position = number;</code>
 Time Line Speed	speed: number	<code>timeline_speed = number;</code>
 Start Time Line	None	<code>timeline_running = true;</code>
 Pause Time Line	None	<code>timeline_running = false;</code>

Icon and icon name	Options	Code Equivalent
 Stop Time Line	None	<pre>timeline_running = false; timeline_position = 0;</pre>



The Info subsection



The **Info** subsection has the actions for displaying messages and opening websites.

Icon and icon name	Options	Code Equivalent
 Display Message	message: string	<pre>show_message (string) ;</pre>
 Open URL	URL: URL	<pre>url_open (URL) ;</pre>

The Game subsection




The **Game** subsection has the actions for restarting and ending games. It also has two obsolete functions that will be removed from the tab in a future version of GameMaker: Studio.

Icon and icon name	Options	Code Equivalent
 Restart Game	None	<pre>game_restart () ;</pre>
 End Game	None	<pre>game_end () ;</pre>

Icon and icon name	Options	Code Equivalent
 Save Game	Obsolete	Obsolete
 Load Game	Obsolete	Obsolete

The Resources subsection

The **Resources** subsection has the actions for replacing game assets.

Icon and icon name	Options	Code Equivalent
 Replace Sprite	sprite: Sprite filename: filename.ext images: number	<code>sprite_replace(sprite, filename, images, 0, 0);</code>
 Replace Sound	sound: Sound filename: filename.ext	<code>sound_replace(sound, filename, 0, 0);</code>
 Replace Background	background: Background filename: filename.ext	<code>background_ replace(background, filename);</code>


The control tab








The **control** tab contains the most common functions related to basic code structure. This is broken into four subsections: **Questions**, **Other**, **Code**, and **Variables**.




The Questions subsection

The **Questions** subsection has the most common conditional statements related to instances in a game.







Icon and icon name	Options	Code Equivalent
 Check Empty	x: number y: number objects: <ul style="list-style-type: none"> • Only Solid • All 	Only Solid: <code>if (place_free(x, y))</code> All: <code>if (place_empty(x, y))</code>

Icon and icon name	Options	Code Equivalent
 <p>Check Collision</p>	x: number y: number objects: <ul style="list-style-type: none"> • Only Solid • All 	Only Solid: <pre>if (place_free(x, y))</pre> All: <pre>if (place_empty(x, y))</pre>
 <p>Check Object</p>	object: Object x: number y: number	<pre>if (place_meeting(x, y, object))</pre>
 <p>Test Instance Count</p>	object: Object number: number operation: <ul style="list-style-type: none"> • equal to • smaller than • larger than 	equal to: <pre>if (instance_number(object) == number)</pre> smaller than: <pre>if (instance_number(object) < number)</pre> larger than: <pre>if (instance_number(object) > number)</pre>
 <p>Test Chance</p>	sides: number	<pre>if (floor(random(sides)) == 0)</pre>
 <p>Check Question</p>	question: string	<pre>if (show_question(question))</pre>
 <p>Test Expression</p>	expression: expression	<pre>if (expression)</pre>
 <p>Check Mouse</p>	button: <ul style="list-style-type: none"> • no • left • middle • right 	<pre>if (mouse_check_button(button))</pre>

Icon and icon name	Options	Code Equivalent
 Check Grid	Snap Hor: number Snap Vert: number	<code>if (place_snapped(snap hor, snap vert))</code>




The Other subsection

The **Other** subsection has the actions for writing blocks of code.

Icon and icon name	Options	Code Equivalent
 Start Block	None	<code>{</code>
 End Block	None	<code>}</code>
 Else	None	<code>else</code>
 Exit Event	None	<code>exit;</code>
 Repeat	times: number	<code>repeat (times)</code>
 Call Parent Event	None	<code>event_inherited();</code>


The Code subsection



The **Code** subsection has the actions for executing GameMaker Language code.

Icon and icon name	Options	Code Equivalent
 Execute Code	None (opens script editor)	No code alternative as it is a script local to the object
 Execute Script	script: Script argument0: value argument1: value argument2: value argument3: value argument4: value comment: String	Any script in the Resource tree can be called by name with () at the end. Up to 16 arguments can be passed as parameters.
 Comment		to remove a single line of code: // starts a block of comments: /* ends a block of comments: */

The Variables subsection

The **Variables** subsection has actions for using variables.

Icon and icon name	Options	Code Equivalent
 Set Variable	variable: string value: value	<code>variable = value;</code>

Icon and icon name	Options	Code Equivalent
 Test Variable	variable: string value: value operation: <ul style="list-style-type: none"> • equal to • less than • greater than • less than or equal to • greater than or equal to 	equal to: <code>if (variable == value)</code> less than: <code>if (variable < value)</code> greater than: <code>if (variable > value)</code> less than or equal to: <code>if (variable <= value)</code> greater than or equal to: <code>if (variable >= value)</code>
 Draw Variable	variable: string x: number y: number	<code>draw_text(x, y, variable);</code>





The score tab

The **score** tab contains the functionality for setting and drawing of the global game scoring. This is broken into three subsections: **Score**, **Health**, and **Lives**.




The Score subsection




The **Score** subsection has the actions for dealing with the score of the game.

Icon and icon name	Options	Code Equivalent
 Set Score	new score: number	<code>score = number;</code>
 Test Score	value: number operation: <ul style="list-style-type: none">• equal to• smaller than• larger than	equal to: <code>if (score == value)</code> smaller than: <code>if (score < value)</code> larger than: <code>if (score > value)</code>
 Draw Score	x: number y: number caption: string	<code>draw_text(x ,y, "caption" + score);</code>
 Clear Highscore	None	<code>highscore_clear();</code>

The Lives subsection



The **Lives** subsection has the actions for dealing with the player's lives.



Icon and icon name	Options	Code Equivalent
 Set Lives	new lives: number	<code>lives = number;</code>

Icon and icon name	Options	Code Equivalent
 Test Lives	value: number operation: <ul style="list-style-type: none"> • equal to • smaller than • larger than 	equal to: <pre>if (lives == value)</pre> smaller than: <pre>if (lives < value)</pre> larger than: <pre>if (lives > value)</pre>
 Draw Lives	x: number y: number caption: string	<pre>draw_text(x ,y, "caption" + lives);</pre>
 Draw Life Images	x: number y: number image: Sprite	<pre>for (i = 0; i < lives; i++) { slot = i * sprite_get_ width(image); draw_sprite(image, 0, x + slot, y); }</pre>

The Health subsection

The **Health** subsection has the actions for dealing with the health of the player.

Icon and icon name	Options	Code Equivalent
 Set Health	value (0-100): number	<pre>health = value;</pre>
 Test Health	value: number operation: <ul style="list-style-type: none"> • equal to • smaller than • larger than 	equal to: <pre>if (health == value)</pre> smaller than: <pre>if (health < value)</pre> larger than: <pre>if (health > value)</pre>

Icon and icon name	Options	Code Equivalent
 Draw Health	x1: number y1: number x2: number y2: number back color: Color bar color: Color	<code>draw_healthbar(x1, y1, x2, y2, health, back color, bar color, bar color, 0, true, true);</code>
 Score Caption	Obsolete	Obsolete





The extra tab




The **extra** tab contains the functionality for particles and changing the appearance of the cursor. It has only two subsections: **Particles** and **Other**.







The Particles subsection

The **Particles** subsection has all the actions for creating and using particle systems, emitters, and particles.


Icon and icon name	Options	Code Equivalent
 Create Part System	Depth: number	<pre>system = part_system_ create(); part_system_depth(system, depth);</pre>
 Destroy Part System	None	<pre>part_system_destroy(system);</pre>
 Clear Part System	None	<pre>part_clear_system(system);</pre>
 Create Particle	type id: Particle shape: Shape sprite: Sprite min size: number max size: number size increment: number	Particle: <pre>particle = part_type_ create();</pre> Shape: <pre>part_type_shape(particle, shape);</pre> Sprite: <pre>part_type_sprite(particle, sprite, true, false, false);</pre> Size: <pre>part_type_size(particle, min size, max size, size increment, 0);</pre>

Icon and icon name	Options	Code Equivalent
 Particle Color	type id: Particle Color Mix: <ul style="list-style-type: none"> • mixed • changing color1: Color color2: Color start alpha: number end alpha: number	Mixed color: <pre>part_type_color_mix(type id, color1, color2);</pre> Changing color: <pre>part_type_color2(type id, color1, color2);</pre> Start alpha and end alpha: <pre>part_type_alpha2(type id, start alpha, end alpha);</pre>
 Particle Life	type id: Particle min life: number max life: number	<pre>part_type_life(type id, min life, max life);</pre>
 Particle Speed	type id: Particle min speed: number max speed: number min dir: number max dir: number friction: number	<pre>part_type_speed(type id, min speed, max speed, -friction, 0);</pre> <pre>part_type_direction(type id, min dir, max dir, 0, 0);</pre>
 Particle Gravity	type id: Particle amount: number direction: number	<pre>part_type_gravity(type id, amount, direction);</pre>
 Particle Secondary	type id: Particle step type: Particle step count: number death type: Particle death count: number	<pre>part_type_step(type id, step count step type);</pre> <pre>part_type_death(type id, death count, death type);</pre>

Icon and icon name	Options	Code Equivalent
 Create Emitter	emitter id: Emitter shape: <ul style="list-style-type: none"> • rectangle • ellipse • diamond • line xmin: number xmax: number ymin: number ymax: number	<pre>emitter = part_emitter_ create(system); part_emitter_region(system, emitter, xmin, xmax, ymin, ymax, shape, ps_distr_ linear);</pre>
 Destroy Emitter	emitter id: Emitter	<pre>part_emitter_destroy(system, emitter id);</pre>
 Burst from Emitter	emitter id: Emitter particle type: Particle number: number	<pre>part_emitter_burst(system, emitter id, particle type, number);</pre>
 Stream from Emitter	emitter id: Emitter particle type: Particle number: number	<pre>part_emitter_stream(system, emitter id, particle type, number);</pre>

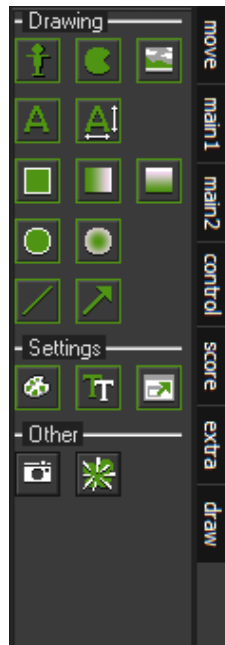
The Other subsection

The **Other** subsection has only a single action that sets the cursor to a different Sprite.

Icon and icon name	Options	Code Equivalent
 Set Cursor	sprite: Sprite cursor: <ul style="list-style-type: none"> • don't show • show 	<pre>cursor_sprite = Sprite; don't show: windows_set_cursor(cr_none); show: windows_set_cursor(cr_ default);</pre>



The draw tab






The **draw** tab contains the functionality for drawing graphics, sprites, and text on the screen, as well as the related settings. There are three subsections: **Drawing**, **Settings**, and **Other**.




The Drawing subsection

The Drawing subsection has the actions for drawing sprites, text, and shapes, including using gradients.




Icon and icon name	Options	Code Equivalent
 Draw Self	None	<code>draw_self();</code>
 Draw Sprite	sprite: Sprite x: number y: number subimage: number	<code>draw_sprite(sprite, subimage, x, y);</code>

Icon and icon name	Options	Code Equivalent
 Draw Background	background: Background x: number y: number tiled: (Boolean) <ul style="list-style-type: none"> • false • true 	<pre> tiled = false draw_background(background, x, y); tiled = true draw_background_tiled(background, x, y); </pre>
 Draw Text	text: string x: number y: number	<pre> draw_text(x, y, text); </pre>
 Draw Scaled Text	text: string x: number y: number xscale: number yscale: number angle: number	<pre> draw_text_transformed(x, y, text, xscale, yscale, angle); </pre>
 Draw Rectangle	x1: number y1: number x2: number y2: number filled: (Boolean) <ul style="list-style-type: none"> • filled • outline 	<pre> draw_rectangle(x1, y1, x2, y2, filled); </pre>
 Horizontal Gradient	x1: number y1: number x2: number y2: number color1: Color color2: Color	<pre> draw_rectangle_color(x1, y1, x2, y2, color1, color2, color1, false); </pre>

Icon and icon name	Options	Code Equivalent
 Vertical Gradient	x1: number y1: number x2: number y2: number color1: Color color2: Color	<code>draw_rectangle_color(x1, y1, x2, y2, color1, color1, color2, color2, false);</code>
 Draw Ellipse	x1: number y1: number x2: number y2: number filled: (Boolean) <ul style="list-style-type: none">• filled• outline	<code>draw_ellipse(x1, y1, x2, y2, filled);</code>
 Gradient Ellipse	x1: number y1: number x2: number y2: number color1: Color color2: Color	<code>draw_ellipse_color(x1, y1, x2, y2, color1, color2, false);</code>
 Draw Line	x1: number y1: number x2: number y2: number	<code>draw_line(x1, y1, x2, y2);</code>
 Draw Arrow	x1: number y1: number x2: number y2: number tip size: number	<code>draw_arrow(x1, y1, x2, y2, tip size);</code>



The Settings subsection

The **Settings** subsection has the actions for setting the color and fonts to be used, and for switching to full screen.

Icon and icon name	Options	Code Equivalent
 Set Color	color: Color	<pre>draw_set_color(color);</pre>
 Set Font	font: Font align: <ul style="list-style-type: none"> • left • center • right 	<pre>draw_set_font(font); draw_set_halign(align);</pre>
 Set Full Screen	action: <ul style="list-style-type: none"> • switch • window • fullscreen 	<pre>switch: if (window_get_fullscreen()) { window_set_fullscreen(false); }else{ window_set_fullscreen(true); } window: window_set_fullscreen(false); fullscreen: window_set_fullscreen(true);</pre>

The Other subsection

The **Other** subsection has the actions for taking a screen grab and creating a pre-built particle effect.

Icon and icon name	Options	Code Equivalent
 Take Snapshot	filename: filename.ext	<code>screen_save(filename);</code>
 Create Effect	type: Effect x: number y: number size: (0, 1, 2) <ul style="list-style-type: none">• small• medium• large color: Color where: <ul style="list-style-type: none">• below objects• above objects	below objects: <code>effect_create_below(type, x, y, size, color);</code> above objects: <code>effect_create_above(type, x, y, size, color);</code>
