WordConnect

This component is developed by th using Fast.

Word Connection is a fun and engaging word puzzle game
where players link related words to form meaningful connections.
Challenge your vocabulary, improve your thinking skills,
and enjoy different game modes!
Word Connection is an addictive and educational word puzzle game that tests your vocabulary and logical thinking.
Players are given a set of words and must find meaningful connections between them.
Word Connection provides a fun way to expand your language skills and boost your brainpower.
Telegram | GitHub
Blogger | YouTube
Terms & Conditions

Events:

PatternEntered

when WordConnect . PatternEntered
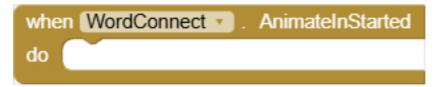 pattern
do

Pattern was entered by the user. Example: '12345'

Parameter	Type
pattern	text

PatternAbandoned

when WordConnect . PatternAbandoned
do

Pattern input was abandoned

AnimateInStarted

when WordConnect . AnimateInStarted
do

Animation to show pattern view has started

AnimateInCompleted

when WordConnect . AnimateInCompleted
do

Animation to show pattern view has completed

AnimateOutStarted

AnimateOutStarted

```
when WordConnect ▾ . AnimateOutStarted
do
```

Animation to hide pattern view has started

AnimateOutCompleted

```
when WordConnect ▾ . AnimateOutCompleted
do
```

Animation to hide pattern view has completed

PatternSizeChanged

```
when WordConnect ▾ . PatternSizeChanged
  newSize
do
```

Pattern size changed. Example: PatternSizeChanged(5) is triggered when the pattern size changes to 5.

Parameter	Type
newSize	number

Error

```
when WordConnect ▾ . Error
  errorMessage
do
```

Error occurred during pattern operation

Parameter	Type
errorMessage	text

PatternSaved

```
when WordConnect ▾ . PatternSaved
  key
do
```

Pattern was successfully saved. This event is triggered after a pattern has been successfully saved. Example: If a user sets a new pattern, this event will be triggered to indicate that the pattern has been saved successfully.

Parameter	Type
key	text

PatternVerified

```
when  WordConnect  ▾  .  PatternVerified
  key   matches
do
```

Pattern verification result. This event is triggered after attempting to verify a pattern. It returns a boolean indicating whether the pattern was successfully verified or not. Example: If the pattern entered by the user matches the saved pattern, this event will be triggered with 'matches' set to true.

Parameter	Type
key	text
matches	boolean

MaxAttemptsReached

```
when  WordConnect  ▾  .  MaxAttemptsReached
  timeoutSeconds
do
```

Maximum attempts reached. Example: If the maximum attempts is set to 5 and the user has reached 5 attempts, this event will be triggered.
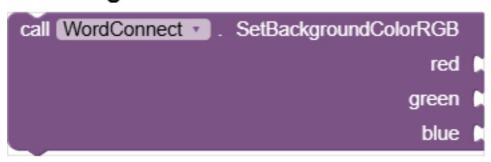
Parameter	Type
timeoutSeconds	number

Methods:

Initialize

```
call  WordConnect  ▾  .  Initialize
                arrangement  ▸
```

Initialize the ConnectPatternView within a given HorizontalArrangement or VerticalArrangement.

Parameter	Type
arrangement	component

SetBackgroundColorRGB

```
call  WordConnect  ▾  .  SetBackgroundColorRGB
                              red  ▸
                            green  ▸
                             blue  ▸
```

Set background color using RGB values

Parameter	Type
red	number
green	number
blue	number

SetBackgroundColorARGB

Set background color using ARGB values (with alpha transparency)

Parameter	Type
alpha	number
red	number
green	number
blue	number

SetTransparentBackground

Set transparent background

SetGradientBackground

Set gradient background. Example: SetGradientBackground(Color.RED, Color.BLUE, true)

Parameter	Type
startColor	number
endColor	number
isVertical	boolean

AnimateIn

call WordConnect . AnimateIn

Animate the pattern view in

AnimateOut

call WordConnect . AnimateOut

Animate the pattern view out

SetTwelveCircles

call WordConnect . SetTwelveCircles

Set to 12 circle pattern (3x4 grid)

SetSixteenCircles

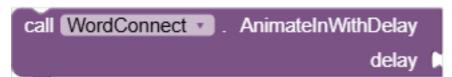call WordConnect . SetSixteenCircles

Set to 16 circle pattern (4x4 grid)

SetEnabled

call WordConnect . SetEnabled
enabled

Set the pattern view enabled or disabled

Parameter	Type
enabled	boolean

AnimateInWithDelay

call WordConnect . AnimateInWithDelay
delay

Animate in with delay (in milliseconds)

Parameter	Type
delay	number

AnimateOutWithDelay

call WordConnect . AnimateOutWithDelay
delay

Animate out with delay (in milliseconds)

Parameter	Type
delay	number

CurrentPattern

`call WordConnect . CurrentPattern`

Get current pattern as string. Example: CurrentPattern() returns '12345' for a pattern connecting points 1, 2, 3, 4, and 5.
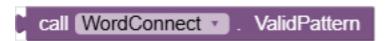Return Type: text

ResetToDefaults

`call WordConnect . ResetToDefaults`

Reset to default settings

ValidPattern

`call WordConnect . ValidPattern`
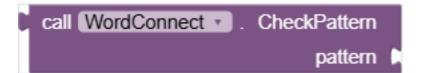
Check if the current pattern is valid. Example: ValidPattern() returns true if the pattern has the minimum required points.
Return Type: boolean

CheckPattern

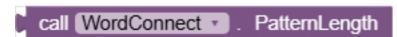`call WordConnect . CheckPattern`
`pattern`

Check if the current pattern matches a specific pattern. Example: CheckPattern('123') checks if the current pattern matches '123'.

Parameter	Type
pattern	text

Return Type: boolean

PatternLength

`call WordConnect . PatternLength`

Get the current pattern length. Example: PatternLength() returns the number of points in the current pattern.
Return Type: number

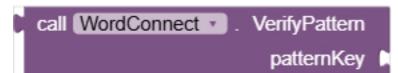## ValidPatternLength

`call WordConnect . ValidPatternLength`
`minLength`

Check if pattern meets minimum length requirement. Example: ValidPatternLength(5) checks if the current pattern length is at least 5.

Parameter	Type

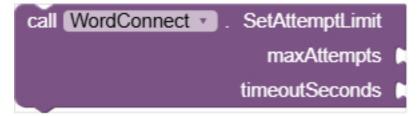| minLength	number

Return Type: boolean

VerifyPattern

Load and verify a saved pattern. Example: VerifyPattern('patternKey') verifies the pattern saved under 'patternKey' and returns true if it matches the current pattern.

Parameter	Type
patternKey	text

Return Type: boolean

SetAttemptLimit

Sets the maximum number of attempts and timeout duration for pattern verification. Example: SetAttemptLimit(5, 60) sets the maximum attempts to 5 and timeout to 60 seconds.

Parameter	Type
maxAttempts	number
timeoutSeconds	number

RemainingAttempts

Get the number of remaining attempts before the timeout period expires. Example: If the maximum attempts is set to 5 and the user has made 3 attempts, this function will return 2, indicating 2 remaining attempts before the timeout period expires.
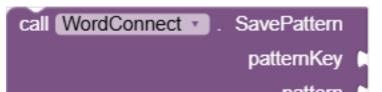
Return Type: number

ResetAttemptCounter

Reset pattern attempt counter. This function resets the counter for the number of attempts made to verify a pattern. Example: If the user has made 3 attempts to verify a pattern and wants to start fresh, this function can be called to reset the attempt count to 0.

SavePattern

pattern

Save an encrypted pattern. Example: SavePattern('patternKey', 'patternString')

Parameter	Type
patternKey	text
pattern	text

SetLetters

call WordConnect ▾ . SetLetters
letters ▸

Set letters for all dots. Use | to separate letters (e.g. 'A|B|C')

Parameter	Type
letters	text

SetLetter

call WordConnect ▾ . SetLetter
position ▸
letter ▸

Set letter at a specific position (0-8)

Parameter	Type
position	number
letter	text

ShowParticles

call WordConnect ▾ . ShowParticles

Trigger success particle effect

ShapeType

call WordConnect ▾ . ShapeType
shapeName ▸

Set the shape of dots (circle, square, triangle, oval, pentagon, hexagon, star)

Parameter	Type
shapeName	text

SetCircleShape

```
call  WordConnect ▾ . SetCircleShape
```

Set circle shape for dots

SetSquareShape

```
call  WordConnect ▾ . SetSquareShape
```

Set square shape for dots

SetTriangleShape

```
call  WordConnect ▾ . SetTriangleShape
```

Set triangle shape for dots

SetPentagonShape

```
call  WordConnect ▾ . SetPentagonShape
```

Set pentagon shape for dots

SetStarShape

```
call  WordConnect ▾ . SetStarShape
```

Set star shape for dots

Properties:

CircleColor

```
WordConnect ▾ . CircleColor ▾
```

Set the color of the circles

CircleColor

```
set  WordConnect ▾ . CircleColor ▾  to
```

Set the color of the circles

BackgroundColor

```
set  WordConnect ▾ . BackgroundColor ▾  to
```

Set background color of the pattern view

BackgroundAlpha

```
set  WordConnect ▾ . BackgroundAlpha ▾  to
```

Set background alpha (transparency) value (0-255)

White

`WordConnect . White`

Returns the color White

Black

`WordConnect . Black`

Returns the color Black

Red

`WordConnect . Red`

Returns the color Red

Green

`WordConnect . Green`

Returns the color Green

Blue

`WordConnect . Blue`

Returns the color Blue

Transparent

`WordConnect . Transparent`

Returns a transparent color

NumberOfConnectors

`WordConnect . NumberOfConnectors`

Get current number of connectors

NumberOfConnectors

`set WordConnect . NumberOfConnectors to`

Get current number of connectors

LineColor

`WordConnect . LineColor`

Set the color of pattern lines

LineColor

`set WordConnect ▾ . LineColor ▾ to ◖`

Set the color of pattern lines

AnimationType

`WordConnect ▾ . AnimationType ▾`

Set animation type (0 = None, 1 = Middle, 2 = Bottom)

AnimationType

`set WordConnect ▾ . AnimationType ▾ to ◖`

Set animation type (0 = None, 1 = Middle, 2 = Bottom)

CircleRadius

`set WordConnect ▾ . CircleRadius ▾ to ◖`

Set circle radius in dp

PatternVisible

`set WordConnect ▾ . PatternVisible ▾ to ◖`

Set pattern visibility

MinimumPatternLength

`set WordConnect ▾ . MinimumPatternLength ▾ to ◖`

Set minimum required pattern length. Example: MinimumPatternLength(5) sets the minimum pattern length to 5.

ShowPatternLine

`set WordConnect ▾ . ShowPatternLine ▾ to ◖`

Enable/disable pattern visibility during drawing

LineWidth

`WordConnect ▾ . LineWidth ▾`

Set the width of pattern lines

LineWidth

`set WordConnect ▾ . LineWidth ▾ to ◖`

Set the width of pattern lines

LetterColor

```
set WordConnect ▾ . LetterColor ▾ to ▸
```

Set the color of letters

LetterSize

```
set WordConnect ▾ . LetterSize ▾ to ▸
```

Set the size of letters in dp

ParticleColor

```
set WordConnect ▾ . ParticleColor ▾ to ▸
```

Set the color of success particles

Shape

```
set WordConnect ▾ . Shape ▾ to ▸
```

Set the shape of dots (circle, square, triangle, oval, pentagon, hexagon, star)

Helper:

Circle

```
Shape Circle ▾
```

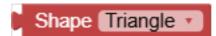Option for Circle
Returns: CIRCLE
Deprecated: *false*

Square

```
Shape Square ▾
```

Option for Square
Returns: SQUARE
Deprecated: *false*

Triangle

```
Shape Triangle ▾
```

Option for Triangle
Returns: TRIANGLE
Deprecated: *false*

Ovel

```
Shape Ovel ▾
```

Option for Ovel
Returns: OVAL
Deprecated: *false*

Pentagon

`Shape [Pentagon ▾]`

Option for Pentagon

Returns: PENTAGON

Deprecated: *false*

Hexagon

`Shape [Hexagon ▾]`

Option for Hexagon

Returns: HEXAGON

Deprecated: *false*

Star

`Shape [Star ▾]`

Option for Star

Returns: STAR

Deprecated: *false*