

# Using Conditional Statements in Messages

## Conditional Messages

iReporter supports conditional message lines using a simple bracket syntax. Place a condition in parentheses at the start of any message field — if the condition is false at press time, that line is silently skipped and nothing is sent for it.

## Syntax

```
(condition)message text here
```

Everything after the closing `)` is sent only when the condition is true. No closing tag needed — the condition applies to the whole line.

## Example

```
(GAPBEHIND1<2)/msg {CARBEHIND1} Car {CAR#} is pitting this lap!
```

This sends a private message to the car immediately behind only if it is within 2 seconds. If the gap is greater the line is skipped entirely and nothing is sent.

## AND and OR

Combine multiple conditions on the one line using `&&` (AND) or `||` (OR). AND is evaluated before OR.

Example	Sends when
<pre>(CRASH &amp;&amp; GAPBEHIND1&lt;5)/rc Contact near traffic!</pre>	A crash is active AND car 1 behind is within 5s
<pre>(CRASH    INCIDENT)/rc Incident detected!</pre>	A crash OR an incident is currently active
<pre>(FLAG=Yellow &amp;&amp; GAPHEAD&lt;3)/rc Yellow – tight ahead!</pre>	Yellow flag AND less than 3s to car ahead

You can also write `AND` and `OR` in plain English instead of `&&` and `||`.

# Available Conditions

## Crash and Incident

Condition	True when
<code>CRASH</code>	A crash is currently detected
<code>NOCRASH</code>	No crash is currently active
<code>INCIDENT</code>	An incident is currently detected
<code>NOINCIDENT</code>	No incident is currently active

## Gap Conditions

Replace `N` with any number of seconds. Operators: `<` `>` `<=` `>=`

Condition	True when
<code>GAPHEAD&lt;N</code> or <code>GAPHEAD1&lt;N</code>	Gap to 1st car ahead is less than N seconds
<code>GAPHEAD2&lt;N</code>	Gap to 2nd car ahead is less than N seconds
<code>GAPHEAD3&lt;N</code>	Gap to 3rd car ahead is less than N seconds
<code>GAPBEHIND&lt;N</code> or <code>GAPBEHIND1&lt;N</code>	Gap to 1st car behind is less than N seconds
<code>GAPBEHIND2&lt;N</code>	Gap to 2nd car behind is less than N seconds
<code>GAPBEHIND3&lt;N</code>	Gap to 3rd car behind is less than N seconds

## Flag Condition

Condition	True when
<code>FLAG=Yellow</code>	Current flag is Yellow / Caution
<code>FLAG=Green</code>	Current flag is Green (racing)
<code>FLAG=Red</code>	Current flag is Red
<code>FLAG=White</code>	Current flag is White (final lap)
<code>FLAG=Checkered</code>	Current flag is Checkered

# Practical Examples

## Notify close cars when pitting

Field	Content
Message 1	<code>/rc Car {CAR#}, {DRIVER} Pitting this LAP</code>
Message 2	<code>(GAPBEHIND1&lt;2)/msg {CARBEHIND1} Car {CAR#} pitting this LAP!</code>
Message 3	<code>(GAPBEHIND2&lt;3)/msg {CARBEHIND2} Car {CAR#} pitting this LAP!</code>

Message 1 always fires. Messages 2 and 3 fire only when the cars behind are within the gap threshold — each sends a separate private message.

## Flag-aware status

Field	Content
Message 1	<code>(FLAG=Yellow)/rc Yellow flag – Car {CAR#} Lap {CARLAP} holding position</code>
Message 2	<code>(FLAG=Green)/rc Racing – Car {CAR#} Lap {CARLAP}</code>

## Combined condition

```
(CRASH && GAPBEHIND1<5)/rc Contact AND close traffic behind – Car {CARBEHIND1} at risk
```

## Using the Variable Picker

Type `(` in any message box to open the variable picker and browse all available conditions. AND / OR examples are included at the bottom of the list.

## Backward Compatibility

The older `{IF:condition}text{ENDIF}` syntax is still fully supported for any messages you have already saved.

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