

# Package ‘sendgridr’

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**Title** Mail Sender Using 'Sendgrid' Service

**Version** 0.5.1

**Description** Send email using 'Sendgrid' <<https://sendgrid.com/>>  
mail API(v3) <[https://docs.sendgrid.com/api-reference/  
how-to-use-the-sendgrid-v3-api/authentication](https://docs.sendgrid.com/api-reference/how-to-use-the-sendgrid-v3-api/authentication)>.

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**URL** <https://github.com/mrchypark/sendgridr>

**BugReports** <https://github.com/mrchypark/sendgridr/issues>

**Imports** magrittr, httr, jsonlite, usethis, cli, base64enc, emayili (>= 0.7), keyring

**Encoding** UTF-8

**RoxygenNote** 7.2.1

**Depends** R (>= 3.4)

**Suggests** covr, testthat

**NeedsCompilation** no

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**Repository** CRAN

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address	<i>set address to sg_mail class</i>
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### Description

to(), cc(), bcc() is for set email address to sg\_mail class

### Usage

```
to(sg_mail, email, name = "")
```

```
cc(sg_mail, email, name = "")
```

```
bcc(sg_mail, email, name = "")
```

### Arguments

sg\_mail (required)mail object from package

email (required)email address

name (optional)name for email address.

### Value

sg\_mail class with mail address.

### Examples

```
mail() %>%
  to("mrchypark@gmail.com")
```

```
mail() %>%
  cc("mrchypark@gmail.com")
```

```
mail() %>%
  bcc("mrchypark@gmail.com")
```

attachments                      *attachments*

**Description**

attachments

**Usage**

attachments(sg\_mail, path, name, content\_id)

**Arguments**

sg\_mail                      (required)mail object from package  
 path                          (required)file path to attach  
 name                          file name. default is path's file name  
 content\_id                   content id. default is Null.

**Value**

sg\_mail class with attachments.

**Examples**

```
path <- system.file("extdata", "test.Rmd", package = "sendgridr")
mail() %>%
  attachments(path)
```

auth\_check                      *Check API key for auth.*

**Description**

Check API key for auth.

**Usage**

auth\_check()

**Value**

TRUE/FALSE check work fine return TRUE.

---

auth_set	<i>Set API key for auth.</i>
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**Description**

Set API key for auth.

**Usage**

```
auth_set()
```

**Value**

None

---

body	<i>body</i>
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**Description**

body

**Usage**

```
body(sg_mail, body, type = "text/html")
```

**Arguments**

sg_mail	(required)mail object from package
body	(required)mail content html support.
type	content type. text/html is default.

**Value**

sg\_mail class with body content.

**Examples**

```
mail() %>%
  body("mrchypark@gmail.com")
```

---

dynamic\_template      *Add dynamic template*

---

### Description

Create dynamic templates at <https://mc.sendgrid.com/dynamic-templates>.

### Usage

```
dynamic_template(sg_mail, template_id, template_data, force = FALSE)
```

### Arguments

sg\_mail            (required) mail object from package

template\_id        (required) template\_id start "d-" and 32-length only digit and lower case alpha-bet like "d-4ad23ad40a0e47d0a0232b85f24ca5c2"

template\_data      A key-value list for template data. (See <https://docs.sendgrid.com/ui/sending-email/how-to-send-an-email-with-dynamic-transactional-templates>)

force              pass template\_id validation. default is FALSE.

### Value

sg\_mail class with dynamic template

### Examples

```
mail() %>%
  dynamic_template("d-4ad23ad40a0e47d0a0232b85f24ca5c2", list(first_name = "Amanda", link = "foo"))

mail() %>%
  dynamic_template(template_id = "foo",
    template_data = list(first_name = "Amanda", link = "foo"),
    force = TRUE)
```

---

dynamic\_template\_data      *Add dynamic template data*

---

### Description

template\_id must be included for this data to be applied.

### Usage

```
dynamic_template_data(sg_mail, data)
```

**Arguments**

sg\_mail (required) mail object from package  
data A key-value list for template data. (See <https://docs.sendgrid.com/ui/sending-email/how-to-send-an-email-with-dynamic-transactional-templates>)

**Value**

sg\_mail class with template data for dynamic transactional templates

**Examples**

```
data_lst <-  
  list(  
    first_name = "Amanda",  
    link = "foo"  
  )  
  
mail() %>%  
  template_id("d-4ad23ad40a0e47d0a0232b85f24ca5c2")%>%  
  dynamic_template_data(data_lst)
```

---

embed\_rmd

*Embedding Rmd on body with images.*

---

**Description**

Embedding Rmd on body with images.

**Usage**

```
embed_rmd(sg_mail, input, ...)
```

**Arguments**

sg\_mail (required) mail object from package  
input (required) input file path to render for email.  
... extra params pass to emayili::render() function.

**Examples**

```
path <- system.file("extdata", "test.Rmd", package = "sendgridr")  
mail() %>%  
  embed_rmd(path)
```

---

from	<i>from</i>
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---

**Description**

from

**Usage**

```
from(sg_mail, email, name = "")
```

**Arguments**

sg_mail	(required)mail object from package
email	(required)email address
name	name for email address

**Value**

sg\_mail class with from mail address.

**Examples**

```
mail() %>%  
  from("mrchypark@gmail.com")
```

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mail	<i>Set mail class for Sendgrid</i>
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**Description**

New mail class for sendgrid.

**Usage**

```
mail()
```

**Value**

sg\_mail class.

**Examples**

```
mail()
```

`print.sg_mail`            *Print for sg\_mail class*

---

### Description

Print for sg\_mail class

### Usage

```
## S3 method for class 'sg_mail'  
print(x, ...)
```

### Arguments

<code>x</code>	sg_mail class object
<code>...</code>	pass for default print. But not use in sg_mail class.

---

`send`                    *send mail*

---

### Description

Send mail with mail content.

### Usage

```
send(mail)
```

### Arguments

<code>mail</code>	mail object
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### Value

[list](https://docs.sendgrid.com/api-reference/how-to-use-the-sendgrid-v3-api/authentication) if success, success message. and error, please check <https://docs.sendgrid.com/api-reference/how-to-use-the-sendgrid-v3-api/authentication>.

### Examples

```
## Not run:  
  
data_lst <-  
  list(  
    total = "$239.85",  
    name = "Sample Name"  
  )
```



```
mail() %>%
  from("example1@mail.com", "example name for display") %>%
  to("example2@mail.com", "example name for display 2") %>%
  dynamic_template_data(data_lst) %>%
  template_id(template_id) %>%
  subject("test mail title") %>%
  body("hello world!") %>%
  ## attachments is optional
  attachments("report.html") %>%
  send()

## End(Not run)
```

---

subject	<i>subject</i>
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---

## Description

subject

## Usage

```
subject(sg_mail, subject)
```

## Arguments

sg_mail	(required)mail object from package
subject	(required)mail subject

## Value

sg\_mail class with subject.

## Examples

```
mail() %>%
  subject("mrchypark@gmail.com")
```

---

template_id	<i>template id</i>
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---

**Description**

Create dynamic templates at <https://mc.sendgrid.com/dynamic-templates>

**Usage**

```
template_id(sg_mail, template_id, force = FALSE)
```

**Arguments**

sg_mail	(required) mail object from package
template_id	(required) template_id start "d-" and 32-length only digit and lower case alpha-bet like "d-4ad23ad40a0e47d0a0232b85f24ca5c2"
force	pass template_id validation. default is FALSE.

**Value**

sg\_mail class with template id.

**Examples**

```
mail()%>%  
  template_id("d-4ad23ad40a0e47d0a0232b85f24ca5c2")
```

```
mail() %>%  
  template_id("foo", force = TRUE)
```

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