

## 3 Command System

This chapter introduces the syntax, functions, parameters, and usage of each command. By default, only CH1 is enabled.



### NOTE

For the parameter setting command (time, frequency, amplitude, etc.), the digital oscilloscope can only recognize the numbers, unable to recognize the unit sent together with them. The unit of the parameter is a default one. For the default units of various parameters, refer to the descriptions for the specified command.

## 3.1 Root Commands

Root level commands only have the root keywords, without the next level keywords. They control many of the basic operations of the instrument.

### 3.1.1 :CLEAr

#### Syntax

**:CLEAr**

#### Description

Clears all the waveforms on the screen.

This command functions the same as the front-panel key .

#### Parameter

N/A

#### Remarks

N/A

#### Return Format

N/A

#### Example

N/A



### 3.1.2 :RUN

#### Syntax

**:RUN**

**Description**

The :RUN command starts running the oscilloscope

This command functions the same as clicking or tapping the icon  in the quick operation bar at the upper-right part of the screen; or press  on the front panel.

**Parameter**

N/A

**Remarks**

N/A

**Return Format**

N/A

**Example**

N/A



### 3.1.3 :STOP

**Syntax**

:STOP

**Description**

The :STOP command stops running the oscilloscope.

This command functions the same as clicking or tapping the icon  in the quick operation bar at the upper-right part of the screen; or press  on the front panel.

**Parameter**

N/A

**Remarks**

N/A

**Return Format**

N/A

**Example**

N/A


### 3.1.4 :SINGle

#### Syntax

:SINGle

#### Description

Performs a single trigger. Sets the trigger mode of the oscilloscope to "Single". This command functions the same as sending the *:TRIGger:SWEEp SINGle* command.

This command functions the same as the front-panel key  .

#### Parameter

N/A

#### Remarks

- In the single trigger mode, the oscilloscope performs a single trigger when the trigger conditions are met and then it stops.
- When the waveform recording function is enabled or the recorded waveforms are played back, this command is invalid.
- For the single trigger, you can use the *:TFORce* command to generate one trigger by force.

#### Return Format

N/A

#### Example

N/A


### 3.1.5 :TFORce

#### Syntax

:TFORce

#### Description

Generates a trigger signal forcefully. This command is only applicable to the normal and single trigger modes. Refer to the *:TRIGger:SWEEp* command.

This command functions the same as the  key in the trigger control area of the front panel.

**Parameter**

N/A

**Remarks**

N/A

**Return Format**

N/A

**Example**

N/A


## 3.2 :AUToset Commands

The **:AUToset** commands are used to perform waveform auto setting operations.

### 3.2.1 :AUToset

**Syntax****:AUToset****Description**

Enables the waveform auto setting function. The oscilloscope will automatically adjust the vertical scale, horizontal time base, and trigger mode according to the input signal to realize optimal waveform display.

This command functions the same as the front-panel key .

**Parameter**

N/A

**Remarks**

- When the AUTO function is disabled, this command is invalid. For details, refer to *:SYSTem:AUToscale*.
- When the pass/fail test is enabled, the AUTO function runs normally, but the pass/fail test function is forced to be disabled.
- When the waveform recording function is enabled, the AUTO function runs normally, but the recording or playing function is forced to be disabled.