

# DT-X400 Series

Android 8.1

## Casio Android Add-ons Manual

This book explains add-on application which provides "very important function when DT-X400 is used for business use".



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# 1. Overview

## 1.1 Purpose

CasioAndroidAddons is an add-on that provides "very important function when using DT-X400 for business use", although they are not supported by standard Android.

This software provides the following two services.

- (1). Called by the intent issued by the application, it performs various functions. (Intent service)
- (2). Call from Settings app and change basic behaviors of the device. (CASIO accessibility service)

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## 2. Software

Application file for Android

File name : CASIOAndroidAddons0100000001.apk

Package name : jp.casio.casioandroidaddons

Note!

- The end "0100000001" of the above file name is the version name, and it is changed by upgrading.
- If you want to check the installed version of CASIOAndroidAddons, you can check by selecting [CASIOAndroidAddons] from [Settings] -> [Applications].

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## **3. Application requirement**

### **3.1.1 Privileges Required for Applications**

No special privileges are required to use the functions.

### **3.1.2 Intent filter**

No special intent filter is required to use the functions.

### **3.1.3 API Level**

There is no restriction on the API level for using the functions of this application.

## 4. Functions specification

### 4.1 Function list

By installing this application, you can use the following functions.

Function	Meaning
Suspend device	This function is used to suspend DT-X400 from application.
Shutdown device	This function is used to shutdown DT-X400 from application.
Reboot device	This function is used to reboots DT-X400 from application.
Turn on scanner	This function is used to turn on scanner from application.
Turn off scanner	This function is used to turn off scanner from application.
Enable trigger key	This function is used to enable trigger key from application.
Disable trigger key	This function is used to disable trigger key from application.
Hide Navigation bar	This function is used to hide Navigation bar from application.
Show Navigation bar	This function is used to show Navigation bar from application.

### 4.2 Suspend device

[Overview]

This function is used to suspend DT-X400 from application.

[Usage]

Create an Intent with action, then call sendBroadcast.

Action : casio.intent.action.SUSPEND

[Example]

```
Intent intent = new Intent("casio.intent.action.SUSPEND");
sendBroadcast(intent);
```

### 4.3 Shutdown device

[Overview]

This function is used to shutdown DT-X400 from application.

[Usage]

Create an Intent with action, then call sendBroadcast.

Action : casio.intent.action.SHUTDOWN

[Example]

```
Intent intent = new Intent("casio.intent.action.SHUTDOWN");
```

```
sendBroadcast(intent);
```

## 4.4 Reboot device

### [Overview]

This function is used to reboot DT-X400 from application.

### [Usage]

Create an Intent with action, then call sendBroadcast.

Action : casio.intent.action.REBOOT

### [Example]

```
Intent intent = new Intent("casio.intent.action.REBOOT");  
sendBroadcast(intent);
```

## 4.5 Turn on scanner

### [Overview]

This function is used to turn on scanner from application.

### [Usage]

Create an Intent with action, then call sendBroadcast.

Action : casio.intent.action.SCANNER\_ON

### [Example]

```
Intent intent = new Intent("casio.intent.action.SCANNER_ON");  
sendBroadcast(intent);
```

## 4.6 Turn off scanner

### [Overview]

This function is used to turn off scanner from application.

### [Usage]

Create an Intent with action, then call sendBroadcast.

Action : casio.intent.action.SCANNER\_OFF

### [Example]

```
Intent intent = new Intent("casio.intent.action.SCANNER_OFF");
```



```
sendBroadcast(intent);
```

## 4.7 Enable trigger key

### [Overview]

This function is used to enable trigger key from application.

### [Usage]

Create an Intent with action, then call sendBroadcast.

Action : casio.intent.action.TRIGGER\_ENABLE

### [Example]

```
Intent intent = new Intent("casio.intent.action.TRIGGER_ENABLE");
sendBroadcast(intent);
```

## 4.8 Disable trigger key

### [Overview]

This function is used to disable trigger key from application.

### [Usage]

Create an Intent with action, then call sendBroadcast.

Action : casio.intent.action.TRIGGER\_DISABLE

### [Example]

```
Intent intent = new Intent("casio.intent.action.TRIGGER_DISABLE");
sendBroadcast(intent);
```

## 4.9 Hide Navigation bar

### [Overview]

This function is used to hide Navigation bar from application.

### Caution!

If you launch another application with the navigation bar hidden, you may not be able to exit the application because you can not press the Back button.

Please pay attention the following when hiding the navigation bar.

(1) Hide the navigation bar only while your application is displayed.

(2) If your application is hidden by other applications, you must display the navigation bar at onPause and other timing.

[Usage]

Create an Intent with action, then call sendBroadcast.

Action : casio.intent.action.NAVIGATION\_BAR\_HIDE

[Example]

```
Intent intent = new  
Intent("casio.intent.action.NAVIGATION_BAR_HIDE");  
sendBroadcast(intent);
```

## 4.10 Show Navigation bar

[Overview]

This function is used to show Navigation bar from application.

[Usage]

Create an Intent with action, then call sendBroadcast.

Action : casio.intent.action.NAVIGATION\_BAR\_SHOW

[Example]

```
Intent intent = new  
Intent("casio.intent.action.NAVIGATION_BAR_SHOW");  
sendBroadcast(intent);
```

## 5. CASIO Accessibility Service

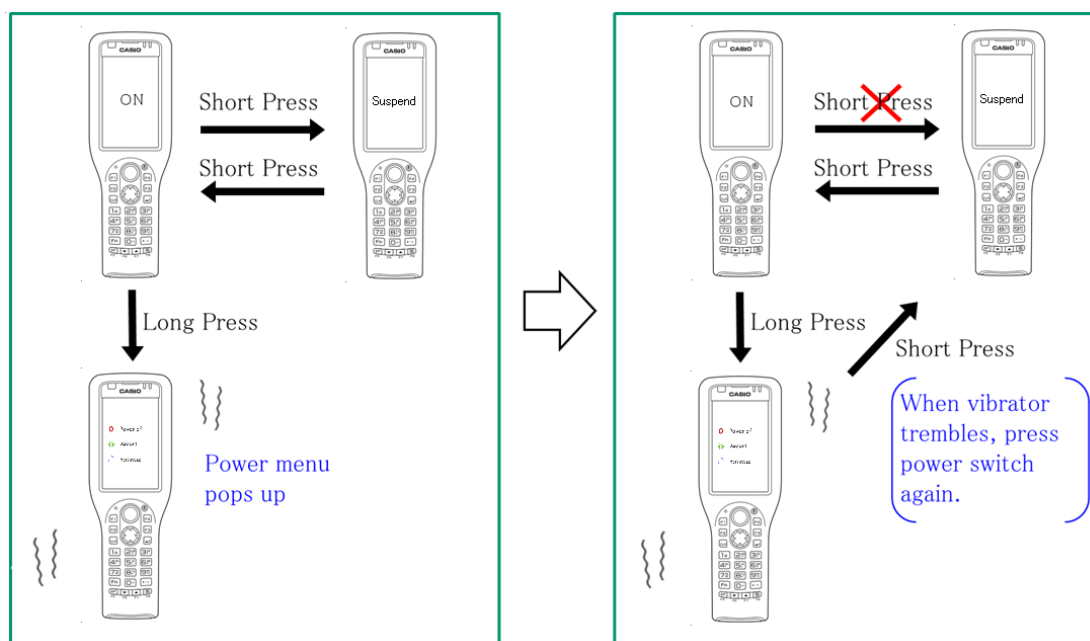
### 5.1 Overview

CASIO Accessibility Service provide following functions.

Function	Description
Disable Short pressing of power switch	Disable short pressing power switch for sleeping.

#### 5.1.1 Disabling short pressing power switch

The basic design concept of DT-X400 is the One Hand Operation ( i.e. all operations can be done with one hand. ). Because the power key is also placed according to this concept, some customers may suspend by touching the power switch unintentionally. This function proposes a new power key sequence that prevents such an unintentional power off while making full use of the one hand operation which is the concept of DT-X400. In factory state, you can switch between suspend state and ON state by pressing the power key for a short period. When this function is enabled, short pressing of the power key is ignored. In order to suspend the device intentionally, press power switch about 1 second to pop power menu up, then press the power key for a short time again.



The behavior when this function is enabled.

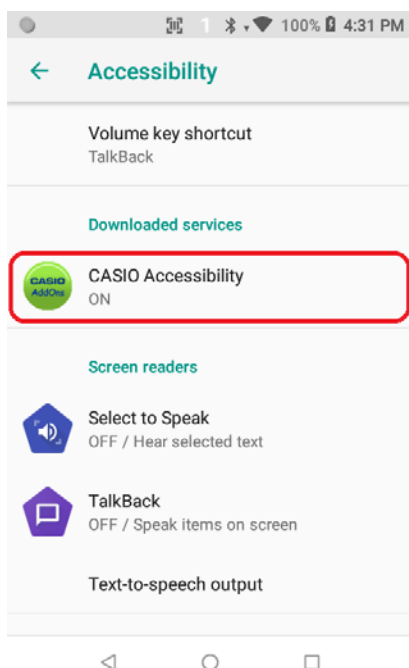
Operation	Behavior
Short pressing of power switch	Doing nothing
Short pressing of power switch when Power menu is shown.	Sleeps
Long pressing of power switch	Pop-up power menu

## 5.2 Enabling functions

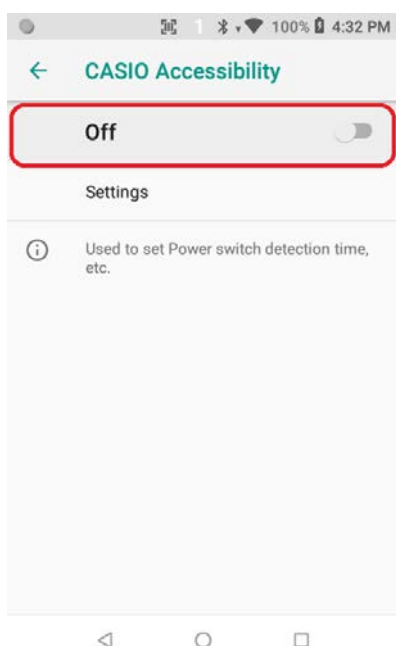
In order to enable the above function, needs to make following two settings.

- (1) Activate CASIO Accessibility service
- (2) Activate the power key short press inhibit setting

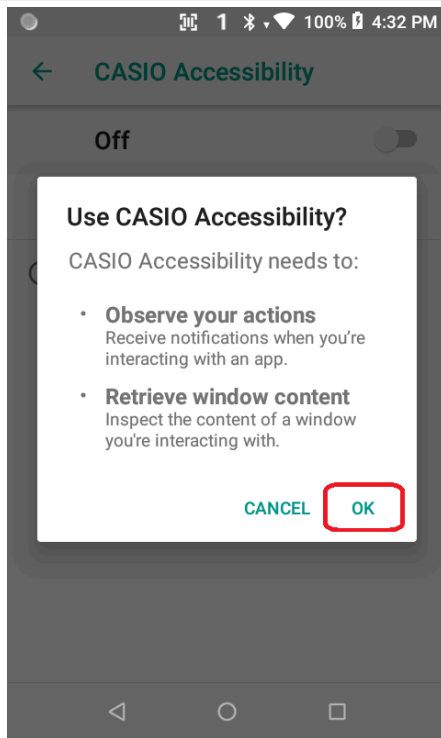
### 5.2.1 Enabling CASIO Accessibility service



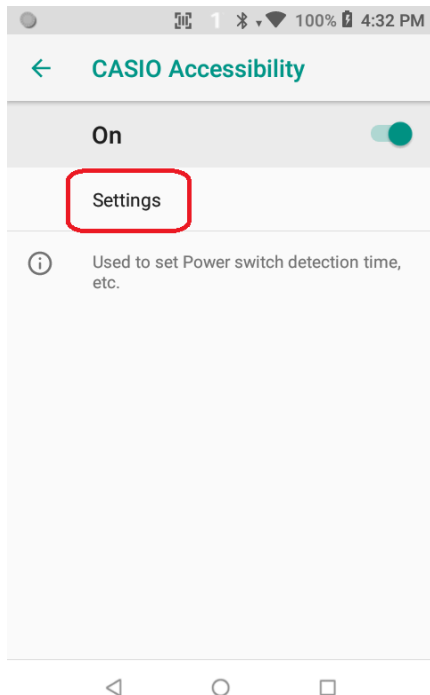
Select "Settings app" -> "Accessibility", and touch "CASIO Accessibility".



Slide on the switch.



Select "OK".

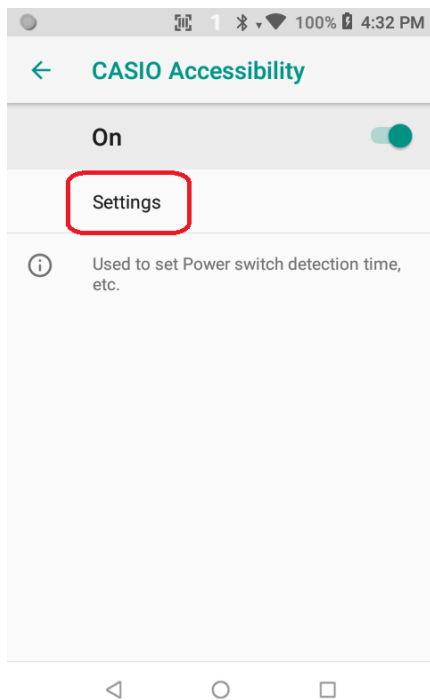


Now, "CASIO Accessibility Service" has enabled.

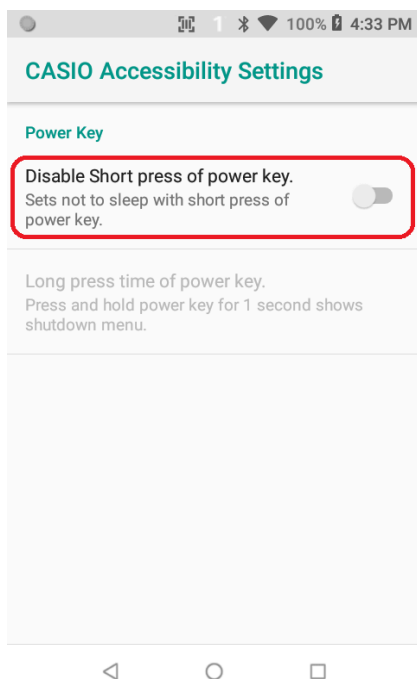
In order to enable "Disable short pressing power switch", open SETTING.

## 5.2.2 Enabling "Disable short pressing power switch"

"Disable short pressing power switch"

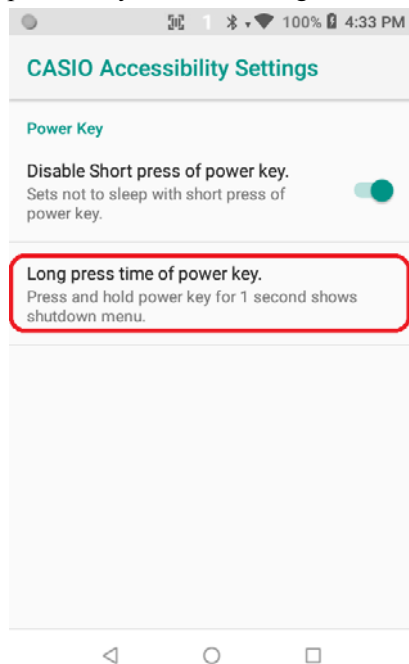


In order to enable "Disable short pressing power switch", open SETTING.

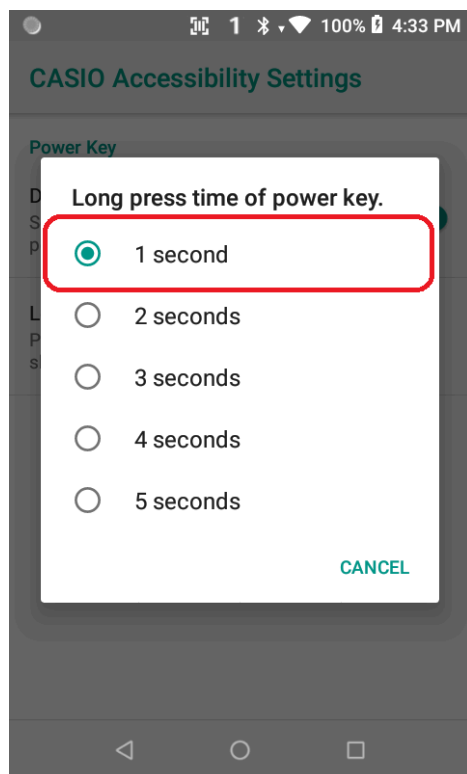


Touch "Disable short pressing of power switch".

When the "Disable short pressing of power switch" is enabled, also "long pressing time of power key" can be changed.



Top "Long pressing of power switch".



Select favorit time from the list.