## Warnings and Safety Precautions

An insulation voltage located inside the product is very dangerous. he following information is intended to maintain user safety and prevent property damages or accidental harm. You must read it

If the user installs, disassembles or remodels the product, it may cause \*The warnings and precautions may be classified according to the malfunctions. The user will be solely responsible for the consequences. following expected level of risk and damage when the user does not use the product correctly. If the product malfunctions, do not operate the product,

## ♠ Warnings

## Violating the following warning signs may result in death or serious injury.

Do not drop the product in water or store in humid places. The product is not water proof. If exposed to moisture or water, it may cause fire or electrical shock.

Do not place any object on the top or cover the product It may damage the product or cause malfunction.

carefully and use the product correctly.

Do not expose the product to direct sunlight or apply excessive heat to it by using a furnace, microwave oven or hair dryer, It may explode, cause deformation or malfunction.

Do not install the product in a dusty place. It may cause fire

Do not place the product near flammable sprays or materials, It may cause fire or electrical shock. Do not insert hair pins or other types of metals or easily ignitable

materials such as paper, or match sticks into the product. It may cause fire or electrical shock.

## Never open the cover of the product.

power off and consult the sales agent.

It may cause fire or electrical shock.

Increasing internal temperature may cause fire.

The user should never install, disassemble or remodel the product on their own.

If any debris or water enters the product, or if the product begins to smoke,

When using the product, maintain stable temperature (0 to 40 degrees).

Do not install the product at a windy or rainy location such as a the shower

If any debris or water enters the product, press the power button on the main

body of the wireless device then unplug power from the outlet, and consult

The product performance may degrade or cause hardware damage.

or in a humid location where water may splatter on the product.

Do not cover the ventilation hole with table covers or curtains.

Do not touch the product with wet or oily hands. It may damage the product or cause malfunction.

## Do not place the product near a magnet or source of EMI. It may damage the product or cause malfunction.

Do not obstruct light emitted from the product lens with books or other objects. If the product emits light on an object for a long duration it may overheat the object and lead to fire. In addition, the reflected light Main Body may overheat the product and cause damage to the product.

Do not apply excessive impact on the product, It may damage the product or cause malfunction.

Aspect ratio 16:9Screen size 55 inch @ 2m / projection ratio 1,6 / up projection rate 100%

Keystone vertical(Auto Keystone)LED lifetime max 30,000 hours / video input Miracast,

SmartBeam Wireless / weight 215gAudio Built-in Speaker / size 54 x 54 x 54(mm)

The screen should be about five to seven times the length of the screen diagonally located from the viewer. If user sits too close to

the screen for a long duration, it may degrade your vision.

## If you smell smoke or other strange odors, stop use immediately and power off the product, then unplug the power from the outlet. If you continue use, it may cause electrical shock or fire.

## Display type DLP / Max brightness 60 ANSI Lumens / Resolution WVGA (854 x 480)

Miracast setting example - Samsung >

**≅** 821

file exchange

Do not stare directly into the lens while product is operating It may emit strong light rays causing damage to your eyes.

the sales agent. It may cause fire or electrical shock.

## ▲ Cautions

## If cautions are violated, it may lead to injury or property damage

included and separately sold components may be purchased separately.

Components

## Basic Components









 External battery - Pouch - Tripod Tripod Holegnetic Contact

CradlePointCharging Cradle basic component package.

reless device(SB300W)/MSIP-CRM-SK4-SB300W) business name w product status. (Power, Battery, Wi-Fi) certification: SK TelecomMaker/Country of maker:SK Telecom/Republic of Ko that supplies power to the magnet contact.

smartphone Wi-Fi, if possible.

supported by the device.







The product components are subject to change, without prior notice, for purposes of performance improvement. Basic components are





Separately Sold Parts

B class device (household broadcasting communication device) adjust the screen to a normal rectangular screen by adjusting of use is for household and it may be used in all regions. the kevstone value. Material name(model name)/certification number: specific low power LED status board: 3 different LED indicators to display current





# FC CE Miracast (1997)

Power On/Off Smart Beam Component Names

Name and Function of Each Component Power: If you press and hold the power button for three seconds, the power will turn on or off.

Focus dial: Allows user to adjust focus of the projected image. Lens: This is where image is projected through, Keystone: If changes in projection angle distorts the projected onerating status screen to a trapezoid shaped, this functions to automatically

· If you press the power button for more than 10 seconds, the system will reset, · For more details, refer to the "LED Display" section. Charging the battery Make sure to charge it sufficiently before use

Magnet contact charging terminal: It is a charging terminal

\* The exterior may look different from the actual product. (Product is subject to change without prior notice for the purpose of improving product performance.)

On: Press and hold the power button for three seconds Off: While the power is on, press and hold the power button for three seconds

When using Miracast / SmartBeam briefly press the power button to display the

Bottom

Use the magnetic contact charger to sufficiently

charge the battery when you use it for the first time after purchasing the smart beam or after long duration of dormancy (Refer to the connection shown in the left figure,)

· The charging time is based on time consumed using an authentic charger Use only the authenticated charger approved by the manufacturer. If you use an unauthentic charger to charge your battery, it may explode of

If the battery level is low, then the battery LED and icon display empty If there is no battery power, the SmartBeam will not power on even if it is 50%, since date of purchase, replace it with an authentic battery

Before powering on the device, charge the battery for at least several minutes. You should use a KC certified standard charger provided by the manufacturer. If user uses an unauthenticated product, complementary service may not be provided and may lead to malfunction.

When the battery does not charge, use a soft cloth to wipe off the magnet contact terminal at the bottom of the product and the magnet contact of the

charger pad before use. Pay special attention to keep the magnet contact from coming touching water. Make sure that the magnet contact does not directly touch your credit card or other cards.

Battery charge time and standard use time

## The red sign indicates that the battery level is below 40%.

cause malfunction

connected to a charger.

· When the red sign appears, it means that the battery level is low and power

Charging not may be cut off. You must connect a sub Required battery or charge your battery. Charging Time | Approx. 4 hours

Standard time of use | Average time of use: 2 hours

## Status Indicator Bar

provided by the manufacturer. The battery life is calculated based on the The status indicator bar displays the status icon or the notices power measured at the laboratory as of initial product shipment status. from the SmartBeam. The charging time and the battery life may vary depending on the charge state and the environment . The battery is a consumable. Its lifetime wi gradually decrease after purchase. If the battery life is reduce by more that 🛘 🫜 SSID : SKT-SmartBeam F31A

## Regarding the LED Status Display e three LED status indicates the current status of the product Status Information

(separately sold) from the manufacturer

Battery discharging

Miracast / AirLink connected Blue on

connected (Display Each Phase: 🔻 🗣 🗣 ) Power On Rlue On Rx condition of the Wi-Fi network where the password Power Off Light Off is set (Display Each Phase: 333) Battery level: 70~100% Rlue On Battery level: 40~69% Green on Displayed when sub battery is mounted Battery level: 10~39% Red flickering | Rattery charging level (3 levels) | Red -> Green -> Blue

Miracast / AirLink connecting | Blue flickering(every0, 5sec)

Miracast / AirLink connection | Blue flickering(every1sec)

LED Status

System battery level and status displays

Display Battery Status:

ondition of the beam connected to smartphone HotSpot

ondition of the beam connected to an external Wi-Fi hub

x condition of the Wi-Fi network where the beam is

To use the SmartBeam by utilizing the NFC function, enter the [Setting] menu on your smartphone and activate the Read JFC/Write NFC mode.

· If NFC tag detection fails, check the NFC location of the SmartBeam and the

· If the smart phone case is made of chrome coating, it may not properly detect

the NFC. Depending on the material, thickness or NFC performance on the

· When using the NFC, do not place the smartphone on top of the smartphone

beam. If the NFC tag is detected repeatedly, the product may malfunction.

(The NFC location varies depending on the type of phone.)

smart phone, detection may be successful or failed.

When major repair works are required within

Possible times due to the same cause

rts are not in stock during the part availabil

When repair parts are available but repair

works may not be done

Impossible to Repair

e Possible to Repair Paid repair

mal conveyance or installation

When malfunctions occur three

Paid repair

one month after the purchase
When the product is damaged during



## Installing the App

Installing via Play Store (Android Market)

## Connecting to the SmartBeam using the NFC Installing the iPhone App Installing via App Store

First, check whether your Android phone supports the NFC function.



- SmartBeam app. 2 When the SMART BEAM runs, you may connect to Miracast
- or AirLink to use the SmartBeam via Wi-Fi.

1 Search for "Smart Beam", 2 Press "Install" and "Agree" button

Installing Using the NFC When initial NFC tagging operation takes place, you will be directed

NFC tagging operation method: When the NFC tag mounting area 1 Search for "Smart Beam", 2 Press the "Install" button.



1 When initial NFC tagging operation takes place, you will be directed to the Play store where you may download the

## Installing the Android App

to the Play Store where you may download the SmartBeam app.

Manufacturer Names of Setting Functions > Screen Mirroring LG Environment Setting > Connect and File Android 4.1.2 or

Smartphone with

higher that has the

Miracast

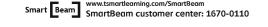
(Screen Mirroring)

Exchange > Miracast Pantech Environment Setting > More Network Pantech > Miracast (Screen Mirroring) function in it. Google Environment Setting > Display > Screen Transmission

## Connecting the smartphone to the beam If you activate the Miracast function in the Environment Setting

menu of your smartphone, it will automatically search for available connectable devices. On the search screen, select a SmartBeam device. When a connection is made, the smartphone screen will be projected via the beam screen.





Screen Mirroring Select a device Connecting Successfully

## < Miracast setting example - LG >

Select connect and Select Miracast Select a device Successfully

NFC(간편 데이터 주고 대유대는 이렇게 비용되는 이렇게 비용되는 이렇게 바꾸면 바꾸면 다시고 네요. SKT-Smarttleam F303 contents via the beam. 인터넷 함께 쓰기(대더핑) 및

## Connecting the SmartBeam Cast Run the SmartBeam app. 2 In the smartphone app, press the

## connected

connected

## SmartBeam Cast button. (7) Select a network mode

(HotSpot or Wi-Fi hub) to connect. 4 After connecting the network.

Information · When you are connected to HotSpot or

when you use the Miracast function.

Minacus official with some dame to the emplement mercycles external Wi-Fi hub, depending on the network environment, excessive buffering By using the SmartBeam cast function you may enjoy better video quality than

you may enjoy smartphone Smart Beam Cast 平台(M-F)世帯(資料書店用を力を

> ASSM BA HOTSFOT 9 S S THE SECOND PROPERTY STATE (

Miracast(Screen Mirroring) function is available on a smartphone with

Android 4.1.2, or higher. You are recommended to maintain the latest

Depending on the specifications of the smartphone or the resolution o

If the aspect ratio of the playing screen and the aspect ratio of basic playing

for the smartphone do not match, some parts of screen may be cut off

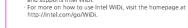
When you use the content saved on your smartphone, disconnect your

the original file, the video quality or resolution may vary.

## · Better picture can be achieved by using DLNA, although Miracast is

- 3 Click on "Add Wi-Fi Display".
- "SKT-SmartBeam xxxx" and try to connect.

· You can only connect from a laptop that has Windows 8,1 OS installed



## Making a Wi-Fi connection from your laptop to the beam and automatically adjust the keystone value, in order to correct the

- Window key 👭 + K. rectangular screen may be displayed. 2 In Device menu, click on "Project"
- 4 In the Add Device menu, select the device name

Front

## and supports Intel WiDi

## Making a Wi-Fi connection to the laptor If you want to use the auto keystone function. This convenient function may detect the tilt angle of the smart beam

1 On the laptop where Windows 8.1.0.5 is installed, press the trapezoid distortion of the projected screen, so that a normal

## 1 If you want to use the auto keystone function, in the SmartBeam press the Keystone button ( ) If you change the projection angle of your SmartBeam, it will





When there is a tilt

How to adjust the auto keystone







When there is no tilt

the necessary updates quickly and conveniently. While the upgrading is in progress, do not turn off the power, in any case.

Abnormal termination may lead to malfunctions of the SmartBeam. When upgrading the software, the battery must be fully charged or the power should be connected.

## If the product does not operate properly, check the following before requesting service. If the problem persists after troubleshooting, request for help from the call center.

Things to check before reporting malfunction

Check if it is properly charged If you want to deactivate or initialize the keystone function, press the keystone When charging it, check if the consent or adaptor is button ( ) for three seconds. properly connected to it If you use the keystone function, the size of the projected screen may be The nower is off

I hear strange sounds · In auto keystone mode, when an image is projected to the ceiling or floor, it may be reversed depending on the angle of tilt.

## The service allows you to update the SmartBeam app and S/W

reduced depending on the tilt.



Auto keystone on Keystone value fixed Keystone value

To improve the SmartBeam functions, without visiting the service center, consumers may download the latest version of S/W from the web and get

## · Keystone allows for compensation of vertical screen angle from -40 deg to nad hefore use +40 deg. It does not compensate for the horizontal angle. When compensating for the left/right screen, adjust the SmartBeam location horizontally before use. f the FAN motor generates severe noises or sound

## May not adjust the product, You must adjust the projection distance focus of image. | within the range supported by the product. If the projection distance is long, focusing may fail.

Image is displayed the angle of projection. In this case, adjust the as a trapezoid. cation to make sure that the screen is perpendicular t the projected light ray or turn on the auto keystone funct

 If the outside temperature is high, or if it is left inside During use or a blanket, the power will be automatically cut off to dormancy, the power protect the product and prevent fire. If the power is is automatically off, then cool down the product in a place with good turned off. air ventilation before use.

## screen freezes thentic product or when the adaptor is defective. or is a mosaic. In this case, make sure your smartphone battery is fully charged and then connect the beam projector for use. During use or The Wi-Fi signal interference from the surrounding dormancy, the power environment may interrupt a Wi-Fi connection.

When playing

video, the

is automatically If a Wi-Fi connection is not good, then power off and . If you cannot charge the hattery use a soft cloth to There is no sound. I f there is no sound, check the volume of the smartphone. wipe off the magnet contact terminal in the bottom of the product and the magnet contact of the charger The screen turns off frequently.

due to bad parts, then stop using it immediately and

from the product. | contact the call center. · Adjust the focus of image projected from the

> lasts for The product is an optical product, It means that a projected image may look like a trapezoid dependin

## Vithin seven days after your request for compensation, you will be informed of the actual compensation amount. Actual damage compensations will be provided within 14 days from the date

Regarding Service

If the product malfunctions under normal condition of use within one year (warranty period) from the date of purchase, you may receive complementary services. If the product is switched to commercial use, then the warranty period

If the screen freezes or part of the screen is broken

uring operation, you may suspect the degraded

f the auto locking function for your smartphone is

activated or if there is no image signal arriving for a

ording to consumer damage compensation rules for each

product, SK Telecom provides the following product warranties.

certain period of time, the screen may turn off

turned off. | on again, or move to a new location and connect again.

rformance of Wi-Fi, Especially, the problem may

cur when your smartphone power supply is not an

rest sales agent(shop)

will be reduced in half(six months), (Excludes non malfunction, marketing causes

Refund: Purchase and refund (submit the receipt obtained at the time of purchase)

When use of unstable power supply may not protect against impact voltages.

Information

smartphone before retrying.

 In other cases · When natural disasters (fire, salt sea, flooding, lightening) cause malfunction. When component (various accessories) lifetime expires

ou want to request service on malfunctions, visit your ) Case of non-malfunctions of you request service even when the product does not lfunction, then you will be charged. So, you must carefully read the user's manual. en impossible to repair, according to a separate standard) 2) Malfunction due to user negligence en consumer disassembles or remodels the product on their own or causes damag

ng from negligence(water, damage) causes malfunction nen malfunction occurs after the repair works done by someone other than technician

When the company looses a product the consumer replacement 10% of the degreciation

proved by SK Telecom or its partner. When a malfunction results from using components not approved by the company, When a malfunction occurs because a user does not obey the

Varnings and Precautions for Safety\* in the user manual.











## Important Information

Federal Communications Commission (FCC) Statement

This device complies with Part 15 of the FCC Rules.

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

Operation is subject to the following two conditions:

1) this device may not cause interference and 2) this device must accept any interference, including interference that may cause undesired operation of the device.

15.105(b) This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules, These limits are designed to provide reasonable protection against harmful interference in a residential installation

This equipment generates, uses and can radiate radio frequency energy and,

if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on.

the user is encouraged to try to correct the interference by one or more of the following measures:

· Regrient or relocate the receiving antenna

· Increase the separation between the equipment and receiver.

. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

. Consult the dealer or an experienced radio/TV technician for help

FCC RF Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.