# Quick Start Guide

# RoomStar 601 Media Player & Display Controller



The RoomStar 601 unit is a fully featured solid-state media player and display controller which transforms a traditional "in room" TV display into an interactive TV platform, delivering entertainment, TV on demand, and travel related services as well as video, game and music apps.

The 601 unit is connected to the Hotel TV via HDMI and interconnect cables. The HDMI cable is used to display the interactive menus and other digital content that is provided by the 601 unit. The interconnect cable passes IR commands (received by the TV) back to the 601 unit, and it also contains a communication link that allows the RoomStar unit to send channel change and programming commands to the TV. This allows the TV to access 'traditional' live channel content from the Hotel's RF distribution system as well as the digital content provided by the RoomStar unit.

The RoomStar 601 unit is sold to authorised resellers only as part of a RoomStar system installations. It must be installed and configured for use by trained staff only. This document describes the installation process for the 601 unit. It must only be installed using the mains to DC power supply provided. It is assumed the hotel TV is already installed and configured for use.

You will also need a TV interconnect cable appropriate for the hotel TV type. Samsung, LG and MTI interfaces are available (part numbers 651, 652 and 650 respectively).

**Important Safety Instructions**

1. Read and keep these instructions.

2. Follow the instructions and heed all warnings.

3. Do not use this apparatus near water.

4. Clean only with a dry cloth.

5. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

6. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.

7. Do not defeat the safety purpose of the polarised or grounding-type plug. A polarised plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

8. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

9. Only use attachments/accessories specified by the manufacturer.

10. Unplug this apparatus during lightning storms or when unused for long periods of time.

11. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

**WARNING:** THERE ARE NO USER SERVICEABLE PARTS WITHIN A RoomStar 601 UNIT.

# Installation

**1.** When locating the 601 unit, ensure that a clearance distance of 25mm (1") is maintained around the unit to provide sufficient ventilation airflow. Items that could accidentally block the ventilation grills or impede the cooling airflow must not be located near the unit.

Ensure the unit is positioned greater than 8" (20cm) away from people in normal use.
Assurez-vous que l'appareil est placé à plus de 20 cm des personnes en utilisation normale.

**2.** The 601 must not be installed where there is a possibility of exposure to condensation, dripping or splashing liquids. Containers filled with fluid should not be located in the vicinity of this unit. Do not fix the 601 to any surface which is a heat source that may cause the unit to over-heat.

**3.** Power off the TV/Display and connect the 601 unit to the display using the HDMI cable and the interconnect cable that is appropriate for the type of TV being used.
- Insert the HDMI cable into the TV's HDMI 1 socket.
- The interconnect cable should be connected to the TV's RJ11 control port, and into the 601's USB and 2.5mm jack plug IR input socket.  If required instead, the MTI interface unit should be plugged into a USB port on the 601 unit, with a 3.5mm/2.5mm jack cable linking the adapter to the IR input socket.  A RJ11 cable should link the MTI adapter to the TV.
- Connect the wired ethernet into the RJ45 connector on the 601 unit if it is available.
- If a RF remote control is being used, plug the RF receiver dongle into a USB port on the 601 unit.

Note:  No other USB devices should be plugged into the RoomStar unit.

**4.** Power-on the 601 unit using the external mains-DC Power supply and switch the TV power back on.  A power-on LED on the 601 should be shown.  Take the TV out of standby with the RoomStar Remote control.

If the TV does not come out of standby, check the interconnect cable has been properly inserted at both ends.

If the TV comes out of standby, but there is no menu on the display, check the HDMI cable has been correctly inserted into the TV's HDMI 1 input.

**5.** Use the remote control to setup the 601 unit with WIFI or wired ethernet access to the internet (a pre-configured USB key might be used to load pre-defined settings). For a WIFI network, the installer should select the correct WIFI SSID and enter the network access password.

The 601 unit will then access the internet and download the appropriate hotel configuration and any new operating software that is required. The hotel configuration for this device (specified by the serial number) will have previously been setup using the reseller's online configuration tool.

When the configuration and any software upgrade is complete, an on-screen prompt will be shown to prompt the installer to enter the room number the unit is installed in.

**6.** Check that the correct branding and software applications have been downloaded to the unit. Use the remote control to check that the TV can access TV channels from the Hotel's RF distribution system, if these are being used.

**7.** Put the TV and RoomStar unit into standby.

# Technical Specifications

CPU: Amlogic S905X Quad Core Cortex-A53 up to 2.0GHz
GPU: Penta-core ARM® Mali™-450
Memory: 1 GB DDR3, 8 GB EMMC flash

Operating System:
Android 6.0.1 with RoomStar Application software

Network:
802.11b/g/n 2.4 GHz WIFI
802.3 Ethernet 10/100 BaseT. RJ-45 modular jack with integrated LEDs

Video Processing
UHD 4K 60fps HW decoding, H.265 10-bit, H.264
FHD 1080p 60fps HW encoding, supports H.264, MPEG2

HDMI Output:
HDMI 2.0, 4K 50/60, with auto resolution configuration via EDID
HDCP 1.4, 2.2

Audio Decoding:
MPEG-1/2 audio layers I, II, MP3, HE-AAC LC

USB Ports:
2 USB2 host ports for use exclusively with RoomStar devices only (TV interconnect cable, MTI adapter or RF Dongle for wireless remote control).

Dimensions:
11.5 x 10.5 x 2.7 cm / 4.5" x 4.2" x 1.1"

Weight:
0.2Kg / 0.45Ib

Ambient Operating temperature:
0 - 40°C / 32 - 104°F

Power Supply:
LPS 100-240VAC, 50/60Hz Output: +5VDC 2 Amps, with a DC jack plug (centre positive voltage, 3.5/1.35 mm diameter x 9 mm long)

Power dissipation:
10W max

Approvals:
FCC part 15.247, 15.207, 15.209
RSS-247
TUV, CB

# United States of America



This product does not contain any user serviceable parts.  No changes shall be made to the equipment as this may void the electromagnetic compatibility (EMC) and wireless compliance and negate the user's authority to operate this equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.  This equipment should be installed and operated with a minimum distance of 20 cm (8") between the unit and your body.  This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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: • Reorient 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.

FCCID: 2APSA6011000

# Canada

This device complies with Industry Canada license-exempt RSS standards. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This equipment is exempt from the routine RF exposure evaluation requirements of RSS-102.  This equipment should be installed and operated with a minimum distance of 20 cm between the antenna and the user or bystanders.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:  (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Ce matériel n'est pas sujet à l'évaluation habituelle d'exposition RF selon RSS-102. Ce matériel devrait être installé et exploité en gardant une distance minimale de 20 cm entre l'antenne et l'utilisateur ou les spectateurs.

IC:23879-6011000
HVIN: 601

# Correct Disposal of this Product

This marking on the product, accessories or literature, indicates that the product and its electronic accessories should not be disposed of with household waste.  When you decide to dispose of this product, do so in accordance with local environmental laws and guidelines.  This could include taking it to a collection point designated by local authorities. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

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