

## Samsung BN94-10961N

# Samsung BN94-10961N Main Board Instruction Manual for UN55KS8000FXZA TV

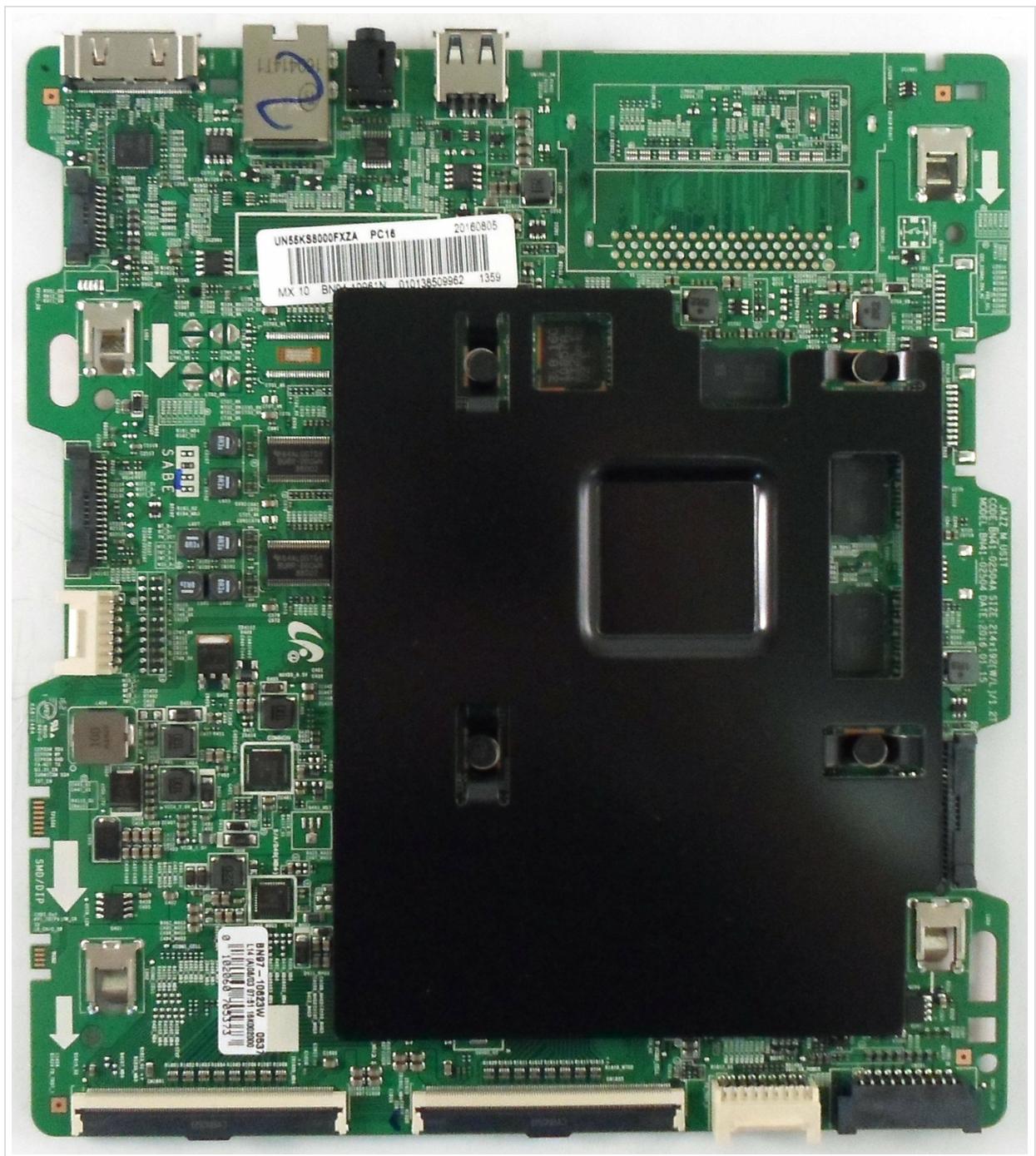
This manual provides essential information for the installation, operation, and maintenance of your Samsung BN94-10961N Main Board. Please read these instructions carefully before proceeding with installation.

## 1. PRODUCT OVERVIEW

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The Samsung BN94-10961N is a replacement main board designed for specific Samsung UN55KS8000FXZA television models. This board integrates various critical functions including HDMI input, A/V processing, signal management, USB input, digital audio output, and Ethernet connectivity.

- Part Number: **BN94-10961N**
- Compatible TV Model: **UN55KS8000FXZA (Version AA02)**
- Function: Main Unit / Main Board / HDMI Input / A/V Board / Signal Board / USB Input / Digital Audio Output / Ethernet Input
- Board Number: **BN97-10623W / BN41-02504A**



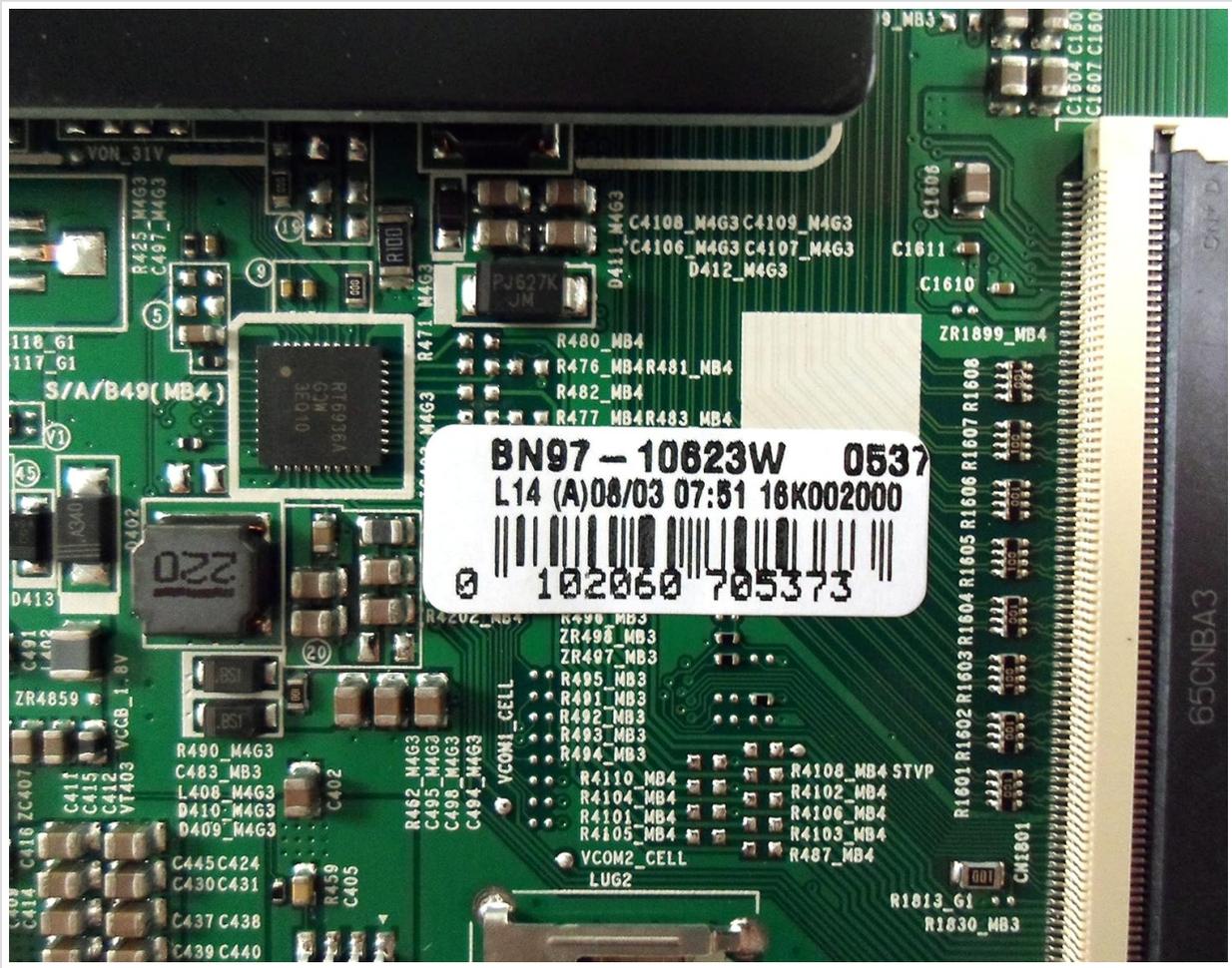
An overhead view of the Samsung BN94-10961N Main Board, showcasing its various ports and integrated circuits.

## 2. COMPATIBILITY

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This main board is specifically designed for Samsung UN55KS8000FXZA televisions with *Version AA02*. It is crucial to verify your TV's version number, which is typically printed on a sticker located on the back of your television. Using this board with an incompatible TV version may result in malfunction or damage.





A detailed view of a white sticker on the main board, displaying the board number 'BN97-10623W' and a manufacturing date. A serial number '0102060705373' is also visible, aiding in precise identification.



The Samsung main board is shown inside a clear, anti-static plastic bag, indicating proper handling and protection for electronic components.

## 4. SETUP AND INSTALLATION

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**WARNING: Disconnect the television from the power supply before attempting any installation or repair. Static electricity can damage electronic components. Use appropriate anti-static precautions. Installation should only be performed by qualified personnel.**

Follow these steps for safe and proper installation:

- Preparation:** Lay the television face down on a soft, clean surface to prevent screen damage. Remove the back cover of the TV.
- Locate the Main Board:** Identify the existing main board within the television chassis.
- Disconnect Cables:** Carefully disconnect all cables and ribbon connectors attached to the old main board. Note their positions for reassembly.
- Remove Old Board:** Unscrew and remove the old main board from the TV chassis.
- Install New Board:** Position the new BN94-10961N main board in place and secure it with the screws.
- Reconnect Cables:** Reconnect all cables and ribbon connectors to their corresponding ports on the new main board. Ensure all connections are firm and correctly seated.
- Final Checks:** Double-check all connections before replacing the back cover.
- Power On:** Reconnect the TV to the power supply and power it on to test functionality.

## 5. OPERATING INSTRUCTIONS

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Once the BN94-10961N Main Board is correctly installed, the television should function as intended. No specific operating instructions are required for the main board itself, as its operation is integrated into the television's overall system.

If the television does not power on or displays errors after installation, refer to the Troubleshooting section of this manual or your television's original user manual.

## 6. MAINTENANCE

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The Samsung BN94-10961N Main Board requires no routine maintenance. To ensure its longevity:

- Keep the television in a clean, dust-free environment.
- Avoid exposing the television to extreme temperatures or humidity.
- Ensure proper ventilation around the television to prevent overheating.

## 7. TROUBLESHOOTING

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If you encounter issues after installing the main board, consider the following:

- **No Power:** Verify all power connections are secure. Ensure the power outlet is functional.
- **No Picture/Sound:** Check all ribbon cables and input connections (HDMI, AV) to ensure they are properly seated.
- **Incorrect Display:** Confirm that the main board is compatible with your specific TV model and version (AA02).
- **Intermittent Issues:** Re-check all internal connections for looseness or damage.

For persistent issues, it is recommended to consult a professional television repair technician.

## 8. SPECIFICATIONS

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Feature	Detail
Brand	Samsung
Model Number	BN94-10961N

Feature	Detail
Compatible TV Model	UN55KS8000FXZA (Version AA02)
Part Type	Main Unit / Main Board
Item Weight	1 pound
Compatible Devices	Television
Date First Available	April 18, 2017

## 9. WARRANTY AND SUPPORT

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This product is covered by the manufacturer's standard warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact the seller directly.

For technical support or assistance with installation, please contact your authorized Samsung service provider or the retailer from whom you purchased this main board.