

Apple Recycler Guide

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About This Guide

Apple Recycler Guides provide guidance for electronics recyclers on how to disassemble products to maximize recovery of resources. The guides provide step-by-step disassembly instructions and information on the material composition to help recyclers direct fractions to the appropriate material recycler.

To conserve important resources, we work to reduce the materials we use and aim to one day source only recycled or renewable materials in our products. A key path to reaching that goal is resource recovery from end-of-life electronics.

Disassembly procedures are intended to be performed only by trained electronics recycling professionals. The recycler is responsible for independently evaluating and ensuring compliance with all applicable environmental, health, and safety laws related to the work. These include but are not limited to laws relating to the management, handling, shipping, and disposal of the outputs of this work as waste and laws in place to ensure the health and safety of all employees who support this work.

For questions or feedback about this guide, email contactesci@apple.com.

Identification

You can find the model number on the bottom of the HomePod.



Model number: A1639

Directive 2012/19/EU Annex VII Components

Directive 2012/19/EU Annex VII requirements apply to the following substances and components.

Substance/Component	Apple Part Name	Removal Instructions
Printed circuit board if the surface is greater than 10 square centimeters	Main logic board, power supply logic board, amplifier logic board	Follow steps 1–15
External electric cables	Power cord	Follow step 1
No further substances or components as listed in Annex VII		

Safety Considerations

The recycler is responsible for independently evaluating all activities undertaken by its employees to perform or support the work and ensuring compliance with all applicable health and safety laws related to the work. These include but are not limited to laws relating to the health and safety of all employees who perform or support this work. The recycler is also responsible for evaluating the workspace and ensuring that the area in which the work is to be undertaken is designed using ergonomic best practices and meets all ergonomic requirements to ensure the protection of its employees.

Personal Protective Equipment

Personal protective equipment should be worn during the entire recycling process.





Wear protective clothing



Wear foot protection

Recommended Tools

Miniature pry bar

Nail-pulling screwdriver









Slip-joint pliers







Disassembly Instructions

1. Disconnect the power cord.





Warning: Before continuing disassembly, wait 10 minutes after unplugging the device for stored energy to discharge.

2. Pry the base off the bottom of the HomePod.







3. Loosen the module cover by prying underneath it.





4. Pry the cap off the top of the HomePod.













Cu

Touch sensor assembly **6.** Remove the touch sensor support frame by unscrewing the six Torx T6 fasteners.











7. Slide off the module cover.





8. Remove the main logic board.







>> Pry off the enclosure cover. Set the enclosure aside.



10. Remove the ribbon cable.







11. Remove the woofer by unscrewing the six Torx T6 fasteners.







Ferrous

12. Remove the upper ring by unscrewing the six Torx T6 fasteners.







13. Remove the middle ring by turning it by hand.







14. Remove the power supply logic board by unscrewing the four Torx T6 fasteners.









15. Remove the amplifier logic board by unscrewing the 14 Torx T6 fasteners.



















17. Pry off the microphone logic board.







18. Pry off the tweeter retaining ring.





19. Remove the tweeters.

>> Unscrew the 14 Torx T6 fasteners.







>> Remove the seven tweeters by hand.





20. Separate the ribbon cable by unscrewing the two Torx T6 fasteners. Set the enclosure aside.









21. Remove the bracket from the ribbon cable.





Ferrous

22. Remove the interior power cord.









Material Categorization of Output Fractions

All outputs from this process must be managed, handled, and disposed of in accordance with applicable waste laws and regulations, including but not limited to the Waste Framework Directive and its national enactments in Europe.



Downstream Processing

Logic Boards (cont.)



Amplifier logic board



Microphone logic board

Mixed Electronics

Power cord



Touch sensor assembly

Primary Target Material



Potential Additional Materials



Fraction

Downstream Processing

Mixed Electronics (cont.)





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Fraction

Downstream Processing

Mixed Plastics (cont.)



Enclosure

Rare Earth Magnets



Primary Target Material



Potential Additional Materials

