# OnStar ON-60H

## 2 & 4-CH WALL AMPLIFIER WITH LCD DISPLAY

2 × 15 W / 4 × 15 W | 1.7" LCD | 86 Wall Box

## TECHNICAL DATASHEET & USER GUIDE

English | Reference edition v1.0

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Branded reference copy - product model OnStar ON-60H




AUDIO • WALL AMPLIFIER • CLASS-D

# OnStar ON-60H

## 2 & 4-CH Wall Amplifier with LCD Display

The OnStar ON-60H is a compact 2 to 4-channel multi-room audio system with micro USB / TF playback that can power 2 to 8 speakers in your home or small commercial area. A high-efficiency class-D amplifier drives low-impedance speakers, the LCD shows track information, and the included infrared remote controls seek, track change and volume.

**2 × 15 W / 4 × 15 W**
Class-D output for 2 to 8 speakers, 4-16 Ω.

**1.7" LCD Display**
128 × 64 screen showing track and music information.

**86 Wall Box**
Mounts in a standard 86 back box for easy control.

Wireless Connection | FM Radio (30 Stations) | Micro USB / TF 32GB | IR Remote | Doorbell Trigger | Phoenix Connectors

## Functions

- Wireless audio connection technology
- Built-in all-digital auto-tuning radio, 30 radio stations
- Standard 86 wall mounting for easy control
- Wireless infrared remote control
- Supports linkage trigger doorbell input
- High-sensitivity touch buttons
- Audio input and output with secure, fast-connect phoenix connectors
- Suitable for homes, commercial areas, kids' rooms, etc.

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## Technical Specifications

| Item | Specification |
|---|---|
| Output Power | 2 × 15 W (2-CH) / 4 × 15 W (4-CH) |
| Speaker Impedance | 4-16 Ω |
| Expand TF Card Memory | 32 GB |
| Display | 1.7-inch LCD screen |
| Resolution | 128 × 64 |
| USB | Micro USB |
| Power Consumption | 20 W |
| Frequency Response | 20 Hz - 20 kHz |
| SNR | 80 dB ± 2 dB |
| Music Format | MP3, WMA, WAV, AAC, APE, etc. |
| Power Requirements | AC 220 V |
| Dimensions | 86 × 86 × 12 mm |
| Weight | 132 g |
| Certification | CE |

## Installation

### 1. Back Box

Put the standard 86 back box in the pre-buried area; back box depth is 50 mm.

### 2. Bracket

Tighten the bracket on the 86 cassette with the bracket screws.

### 3. Wiring

Connect the wires in the 86 cassette to the matching terminals of the main unit, then insert the terminal into the terminal post.

### 4. Mount Unit

Load the main unit into the hardware bracket, then push down.

## Panel Description

| No. | Function |
|---|---|
| 13 | Return |
| 14 | Confirm, pause / play |
| 15 | Previous song / Vol- : decrease the volume |
| 16 | Next song / Vol+ : increase the volume |
| 17 | Volume adjustment |

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## Remote Control

| Button | Function |
|---|---|
| 1 | Power on/off: press to turn on or off |
| 2 | Mode |
| 3 | Mute |
| 4 | Pause / play |
| 5 | Previous song |
| 6 | Next song |
| 7 | EQ |
| 8 | Volume- : decrease the volume |
| 9 | Volume+ : increase the volume |
| 10 | Song number |
| 11 | Repeat |
| 12 | USB / TF card |

## Interface Introduction

| No. | Interface |
|---|---|
| 1 | Power switch |
| 2 | TF card socket |
| 3 | USB socket |
| 4 | Mounting bracket screw hole |
| 5 | 3.5 mm audio input |
| 6 | Speaker output |
| 7 | FM radio |
| 8 | Audio output |
| 9 | IO control line (trigger host standby control line) |
| 10 | Doorbell |
| 11 | AUX input |
| 12 | Power input |

## Speaker Connection

### 1 Speaker per Channel

Connect one 8 Ω speaker to each channel (R and L) - 2 speakers in total on the 2-channel unit.

### 2 Speakers per Channel

Connect two 8 Ω speakers in series on each channel (R and L) - 4 speakers in total on the 2-channel unit.

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## Common Troubleshooting

| Malfunction | Causes and Solutions |
|---|---|
| Not booting | 1. If the panel is tightly closed, open the panel to clean it, then close it. 2. If the panel surface is too dirty or wet, clean it and restart. |
| No sound | 1. Check that the speaker cable is installed correctly. 2. Check whether the remote control is muted. |
| Small volume | Check the speaker: constant-voltage speakers are not matched - use constant-resistance 8 Ω speakers. |
| Button does not work | 1. If the panel is tightly closed, open the panel to clean it, then close it. 2. If the panel surface is too dirty or wet, clean it and restart. |
| Touch jump | 1. Turn it off and restart. 2. Press the reset button to reset. |
| Remote control does not work | 1. Check the remote control battery. 2. Shorten the distance and reduce obstacles in front of the remote control window. |
| Wireless connection not available | 1. Is the host connected to another device? 2. Is wireless mode enabled on the mobile phone? |
| Wireless playback has no sound | 1. Make sure the phone has selected the amplifier as its audio device (on Apple phones, choose the device manually). 2. Check that the phone is not muted. 3. Check that the phone network is stable, or play a downloaded song. |

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