

# QUICK START GUIDE

# 633

Six-Input Compact Mixer  
with Integrated 10-Track Recorder



**SOUND**  **DEVICES**



# Welcome

Thank you for purchasing the 633 Compact Mixer and Recorder. This Quick Start Guide provides the initial steps necessary to set up and begin using the 633 right out of the box. It also provides warranties and legal, Declaration of Conformity information.

The following table shows what is included with a basic purchase.

QUANTITY	ITEM
1	633 Compact Mixer and Recorder
1	USB Cable (USB Standard A to USB Standard B)
1	USB Adapter (USB Standard A Female to Female)
1	LCD Protective Cover
4	Adhesive Rubber "Bumpers"
3	Colored Dot Stickers
1	Registration Card

If you purchased the complete Accessories Kit (shown below) with your 633, here is what you get:



- ☐ 1 CS-633 Production Case
- ☐ 1 CF Card
- ☐ 1 SD Card
- ☐ 2 XL-B2 7.2v Li-Ion L-Series Batteries
- ☐ 2 TA3-F to XLR-M Cables
- ☐ 3 TA3-F to XLR-F Cables
- ☐ 1 LEMO®-5 to BNC In/BNC Out Timecode Jam Cable

After receiving your kit, remove all contents from the box to ensure there are no missing parts and that all parts were received without damage.

# Read and Register...

Sound Devices strongly encourages you to register your product. Registration extends your warranty and ensures you will receive timely updates.

For a full description of all product features, user-based procedures, specifications, and safety information, please refer to the product's User Guide located on the Sound Devices website. Use the QR code or respective link to access and download the guide.

Full User Guide:



[http://www.sounddevices.com/download/guides/633ug\\_en.pdf](http://www.sounddevices.com/download/guides/633ug_en.pdf)

Register Your 633:



[www.sounddevices.com/support/registration/](http://www.sounddevices.com/support/registration/)

Email Support:



[support@sounddevices.com](mailto:support@sounddevices.com)

Call Support:



1-608-524-0625  
1-800-505-0625

## 1. Attach Power

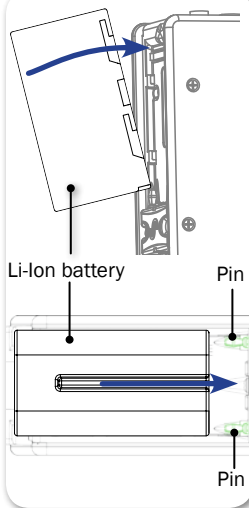
Connect at least one power source, such as L-Series Lithium Ion batteries.

### To mount an L-Series battery:

1. Place the 633 on a stable surface.
2. Position the battery so the two terminals on the battery line up with the tips of the two pins on the rear panel of the 633.
3. Press the battery against the unit and slide the battery onto the pins. The battery retainer clip will spring up with a satisfying click to let you know the battery is secure.

The 633 can mount up to two Li-Ion batteries, but it can also be powered from external DC power or from internal AA batteries.

When multiple sources are connected, the 633 will use one source at a time, using first external power, then the Li-Ion batteries, then the AA batteries.

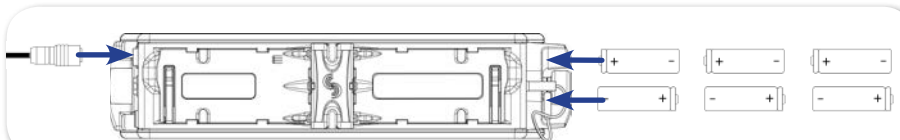


### To connect the 633 to external power:

- Plug a DC power source (not included) into the DC input on the right panel.

### To insert AA batteries:

1. Unscrew the battery cap (counter-clockwise).
2. Insert six AA NiMH batteries (not included) into the battery tubes. Orient the top three batteries with the positive (+) end facing in and the bottom three batteries with the negative (-) end facing in.



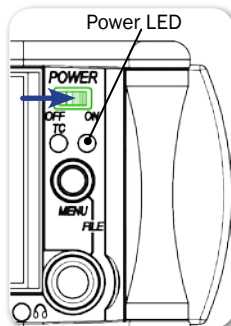
## 2. Power Up

### To turn on your 633:

- Slide the Power button to the right.

The green power LED illuminates, the Sound Devices splash screen will appear on the LCD, and then the Main Screen is displayed.

*Note: PowerSafe™ circuitry in the 633 provides a 10-second power reserve allowing the device to properly stop file operations and safely shut down in the unlikely event of total power loss.*



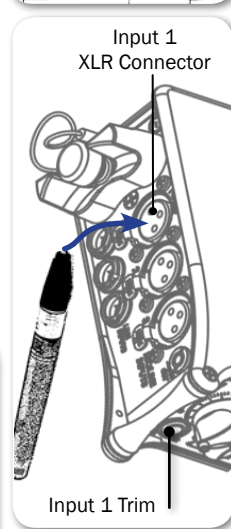
## 3. Connect Audio Source

Located on the left panel of the 633, there are three XLR-3F connectors for active-balance analog microphone or line-level inputs.

### To connect an audio source:

- Use a standard XLR cable and connect a microphone or line level analog source to Input 1.

*Note: Input 1 can also accept AES3 or AES42 (Mode 1) signal.  
[Pin-1 ground, pin-2 positive, pin-3 negative.]*

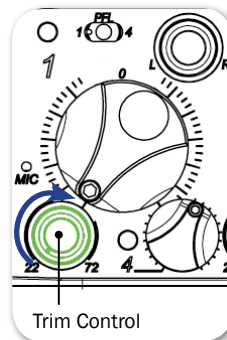


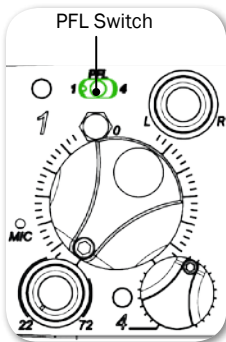
## 4. Power on Input

### To power the input:

1. If the Trim control for Input 1 is recessed, push it in and it will pop out.
2. Turn the trim control clockwise until it clicks to power on the input.

*Note: The input power is off when the Trim control is fully rotated counter-clockwise.*



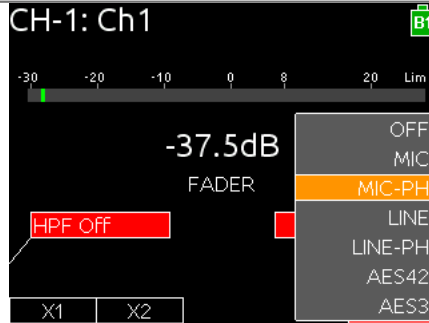
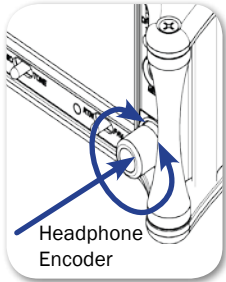


## 5. Select Input Type

To select input type:

1. Slide the Pre-Fade Listen (PFL) switch to the left to access the Input Settings Screen for Input 1.

*Note: Step 1 is based on factory defaults. If sliding the switch to the left does not display the Input Settings Screen, then the PFL Toggle Mode is not set to its 6-Channel default. When the PFL Toggle Mode is set to only 3 Channels, you must slide the PFL switch to the right instead of the left to display the Input Settings Screen.*



2. Press the Headphone encoder to display the list of available types.

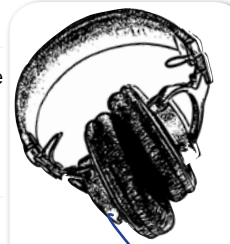
3. Turn the encoder to highlight an input type and press it in to make your selection.
  - MIC – Use this type for a dynamic microphone.
  - MIC-PH – Use this type for microphones requiring phantom power.
  - LINE – Use this type for analog line level sources.
  - LINE-PH – Use for phantom-powered condenser microphones. Provides 48V or 12V phantom power.
  - AES42 – Use this type for a digital AES42 (Mode 1) microphone.
  - AES3 – Use this type for a digital AES3 microphone.

*Note: Never attach unbalanced connections to an input set for AES42. This can result in damage to the hardware.*

4. Slide the PFL switch to the left again to return to the Main screen.

## 6. Connect Headphones

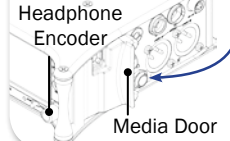
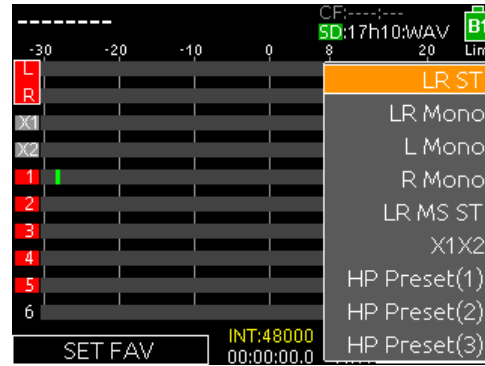
Connect headphones to the 1/4-inch headphone output, located on the right panel of the 633.



## 7. Select a Headphone Source

To set up the headphone source, from the Main screen:

1. Press the Headphone encoder to display the list of available sources.
2. Turn the encoder to choose LR ST, the master left and right stereo bus.
3. Press the Headphone encoder to confirm selection.



## 8. Insert and Format Media

The slots for CompactFlash (CF) or Secure Digital (SD) memory cards are located on the right panel behind the Media Door, which is held closed magnetically. Firmly pull the door to open it.

To install media:

1. Firmly pull open the Media Door.
2. Insert your choice of approved media memory card into the slots provided.

When inserting the SD card, ensure the bottom of the card (the side with metal contacts visible) is facing the rear of the unit. When inserting a CF card, ensure the top of the card (the side with the branding label) is facing the rear of the unit.

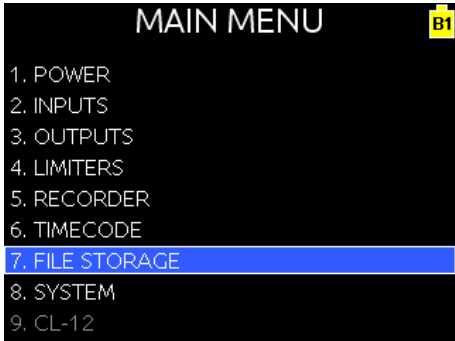
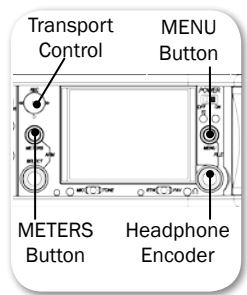
*Note: Sound Devices Quality Assurance engineers perform extensive testing to ensure media approved for use with the 633 works reliably and provides the best performance. When choosing media, please refer to the Approved Media List available on the Sound Devices website at: [www.SoundDevices.com/Approved](http://www.SoundDevices.com/Approved)*

The SD or CF card must be formatted by the 633 before recording.

*Warning: Reformatting a card will erase all data on the card.*

**To (re)format an SD or CF card:**

1. Press the MENU button.
2. Turn the Headphone encoder and press it to select File Storage.



3. Do either of the following:
  - Select Erase/Format CF to reformat a CompactFlash card.
  - Select Erase/Format SD to reformat a Secure Digital card.
4. Press the Headphone encoder to begin the formatting process.
5. Read any warning message(s) and press the Headphone encoder to continue.
6. Press the METERS button to return to the Main screen.

## 9. Start and Stop Recording

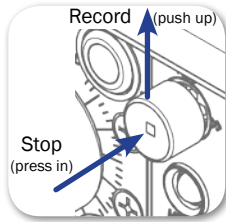
**To begin recording:**

- Push up the Transport control to record.

**To stop recording:**

- Press in the Transport control to stop recording.

While recording, the Take name background color (top of Main screen) becomes red, and the absolute time counter (bottom of Main screen) runs.



## 10. Remove Media to Transfer Files

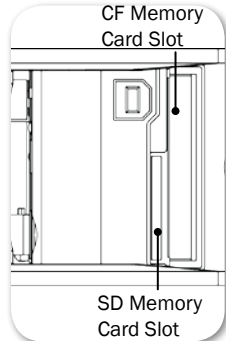
When recording is complete, ensure the CF and SD indicators (in top right corner of Main screen) are no longer glowing amber before removing the memory card(s). Once removed from the 633, the memory cards may then be connected to a computer for transfer and backup of recorded files.

**To remove the CF card:**

- Open the Media Door and pull out the card.

**To remove the SD card:**

1. Open the Media Door.
2. Push card in to release it, and then pull it out.



## 11. Force Power Off (Optional)

In the unlikely event you need to manually force a complete shutdown of the 633, by-passing the PowerSafe and QuickBoot™ features, do the following:

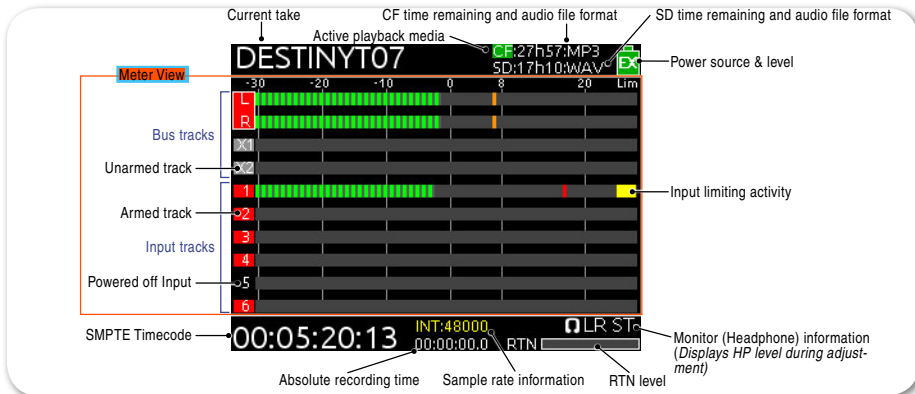
**To force power off to the mixer:**

1. Slide the Power button to the left.
2. Press and hold the MENU button for 5 seconds.

# 633 Overview

## Main Screen Elements

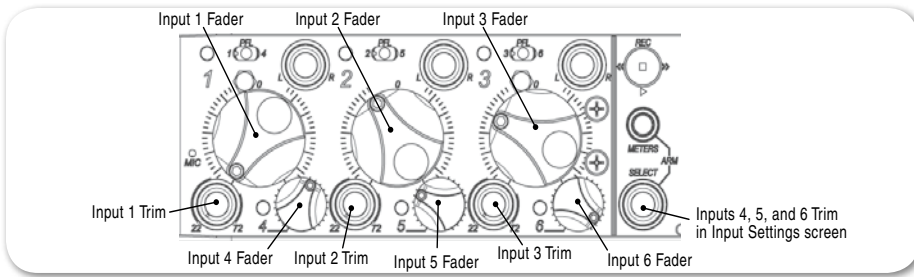
The Main screen displays important information at-a-glance. The Main screen can be accessed quickly from any other screen by pressing the METERS button. Press and hold the METERS button, and then slide the RTN / FAV switch (below the screen) to the left to toggle between display of timecode frame rate and sample rate.



This sample image shows default settings. Meter style can be changed to solid, and track names can optionally be shown in the meters. Pressing the Meters button from the Main screen cycles through the Meter Views. Use the Main menu option: System > Meter Views to define which one of various configurations is used by each Meter View.

## Trim and Faders

The gain of an input is adjusted by two controls, Input Trim and Input Fader. This two-stage architecture is identical to the topology of large mixing consoles and provides a great deal of control. Input Trim is often thought of as a course gain control and the Input Fader as the fine gain control.



For more information on the features of the 633 as well as specifications, procedures, tips and more, read the 633 User Guide, available as a free, full-color download (PDF) from the company's website: [http://www.sounddevices.com/download/guides/633ug\\_en.pdf](http://www.sounddevices.com/download/guides/633ug_en.pdf)

## Accessories

The 633 works with various accessories, which may be included with the KIT or purchased separately, and used to further enhance your field mixing and recording experience.

ACCESSORY	PHOTO	DESCRIPTION
CS633		This production case (designed by PortaBrace for Sound Devices) is used for the 633. The front pocket provides space for wireless receivers and NP-1 battery. A bottom panel opens and expands to provide access to rear-mounted L Series batteries.
CL-12		This optional linear fader controller attaches to the 633 and adds dedicated, smooth-gliding linear faders, sunlight-viewable LED metering, big, back-lit Record and Stop controls, and other illuminated quick-access buttons for key functionality.

This table is not an all-inclusive list of accessories available for use with the 633. For the latest information, visit the Sound Devices website at: [www.sounddevices.com](http://www.sounddevices.com)

# Warranty and Service

Sound Devices, LLC warrants the 633 against defects in materials and workmanship for a period of ONE (1) year from date of original retail purchase. Users who register their product directly with Sound Devices Technical Support by mail, online, or phone, will receive an additional ONE (1) year of warranty coverage, extending the complete warranty period to TWO (2) years from the date of original retail purchase. In order to extend the warranty coverage period, registration must be completed within the initial ONE (1) year warranty period. Products must be purchased through authorized Sound Devices resellers to qualify for Warranty coverage. Damage resulting from the opening of a Sound Devices product or attempted repairs by a non-authorized Sound Devices repair technician will void warranty coverage.

This is a non-transferable warranty that extends only to the original purchaser. Sound Devices, LLC will repair or replace the product at its discretion at no charge. Warranty claims due to severe service conditions will be addressed on an individual basis.

THE WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE. SOUND DEVICES, LLC DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SOUND DEVICES, LLC IS NOT RESPONSIBLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING FROM ANY BREACH OF WARRANTY OR UNDER ANY OTHER LEGAL THEORY. Because some jurisdictions do not permit the exclusion or limitations set forth above, they may not apply in all cases.

For all service, including warranty repair, please contact Sound Devices for an RMA (return merchandise authorization) before sending your unit in for repair. Product returned without an RMA number may experience delays in repair. When sending a unit for repair, please do not include accessories, including SSD drives, CF cards, batteries, power supplies, carry cases, cables, or adapters unless instructed by Sound Devices. Sound Devices repairs and replacements may be completed using refurbished, returned or used parts that have been factory certified as functionally equivalent to new parts.

Sound Devices, LLC  
Service Repair RMA #XXXXX  
E7556 State Road 23 and 33  
Reedsburg, WI 53959 USA  
Telephone: (608) 524-0625

## Technical Support / Bug Reports

For technical support and bug reporting on all Sound Devices products contact Sound Devices, LLC at:

E-mail: [support@sounddevices.com](mailto:support@sounddevices.com)  
Website: [www.sounddevices.com/support/](http://www.sounddevices.com/support/)

Phone: +1 (608) 524-0625  
Toll-free: +1 (800) 505-0625 — in USA only  
Fax: +1 (608) 524-0655

Sound Devices hosts a user support forum. The URL is: <http://forum.sounddevices.com>

# Fill In and Keep for Your Records

PRODUCT:

SERIAL NUMBER:

PURCHASE DATE:

STORE/RETAILER:

ADDITIONAL NOTES:



# Legal Notes

Product specifications and features are subject to change without prior notification.

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## FCC Notice

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.

FCC Part 15.19 (a)(3)

	Declaration of Conformity	
	According to EN ISO/IEC 17050-1:2004	

Manufacturer's Name: Sound Devices, LLC  
Manufacturer's Address: E7556 State Road 23 and 33  
Reedsburg, WI 53959  
USA

## Declares under sole responsibility that the product as delivered

Product Name: 633 Compact Mixer and Recorder  
Model Number: 633  
Product Options: This declaration covers all options of the above product.

complies with the essential requirements of the following applicable European Directives, and carries the CE marking accordingly:

EMC Directive (2004/108/EC)  
EN 55022:2010  
EN 55103-2:2009

First date of CE approval July 18, 2013.

This Declaration of Conformity applies to the above-listed product(s) placed on the EU market after:

July 18, 2013

Date



Matt Anderson  
President



[www.sounddevices.com](http://www.sounddevices.com)

Part # 6578.000

