

# StudioProjects

## Little Square Mic User's Manual



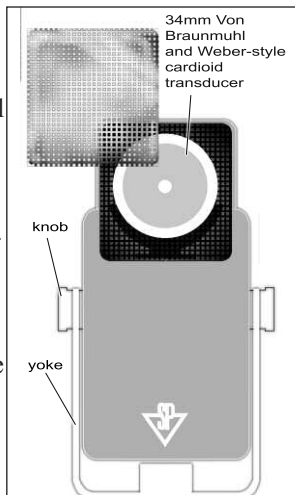
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Studio Projects LSM Quick Start Guide

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**H**ello and thank you for choosing the Studio Projects LSM dual output condenser microphone - the high fidelity, ultra portable, colorful and uniquely cool choice for all your professional audio and communication miking needs. High Fidelity you say? We think you'll agree. The 34mm Von Braunmuhl and Weber-style cardioid transducer, coupled to a discrete JFET impedance converter with a high SPL-handling output circuit insures that the LSM will effectively receive your acoustic source and change it to electrical and digital impulse with due care, all the while insuring that the outermost parameters of the circuitry itself do not interfere unduly with the signal sanctity of your source.

Designed with the convenience of the ubiquitous USB mini plug and a conventional three-pin mini XLR output, the LSM gives you two distinct ways to route your signal, as well as an integrated yoke, which means the LSM can stand freely upon a desktop, or mount to any



variety of mic stand, all in a classic - yet completely fresh style. With regards to portability, the Studio Projects LSM, as a large capsule mic, is unparalleled. Fitting neatly in a laptop bag pocket, or even in your shirt pocket, the LSM, with its petite form factor is ideal for taking on the road wherever you go.

This Quick Start Guide is your ticket to bypassing all that boring stuff in the typical user's manual and getting right to the heart of things: Hooking up new gear! So let's get to it.

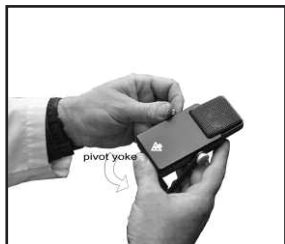
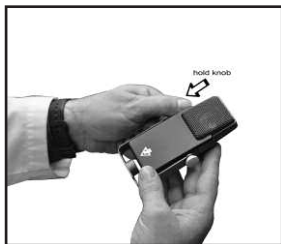
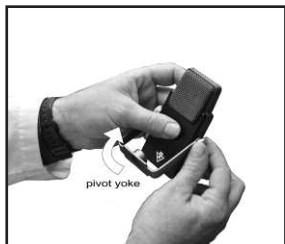
## Unpacking and setting up the LSM Microphone:

1. Ah yes: A new microphone. How cool is this! Take out the mic and let's have a look at this thing.

2. For desktop use, adjust the integrated stand yoke so that the microphone is leaning back slightly, angled up toward your face - akin to the tripod configu-



ration of an astromech droid. The two knobs on either side of the microphone are right-hand thread. To loosen, twist the left knob away from you and the right knob towards you - this is the standard "lefty-loosey, righty-tighty" mnemonic imparted by technically-inclined grandfathers. If the knobs are on there really tight, simply hold the stand yoke with one hand while tipping the microphone up and back away from you with the other.



3. To attach the LSM to a mic stand, there are 5/8-27 threads on the bottom of the stand yoke. That's a five-eighths of an inch diameter hole with twenty-seven

threads per inch (TPI), in case you were wondering... Anyhow, the LSM will thread onto the stand the same as any other mic clip or shock mount. Ta-da! Note that the yoke can be adjusted perpendicularly to the body of the mic, for perfect orientation on a broadcast mic boom as well.



There are two cables that ship with every LSM Microphone:

1. USB mini cable
2. Mini XLR Female To Standard XLR Male - not to be confused with the "Typical Male XLR", which tends to leave its shoes lying about in every room...

If you wish to use the **XLR** output, here's what to do:

1. Plug the small end of the xlr cable into the round plug on the reverse side of the LSM.



2. Insert the other end of the xlr cable into a +48 volt phantom power equipped microphone preamp input. This can be the input to a mixing console, a dedicated mic preamp, such as our Studio Projects VTB-1, or any of the myriad digital audio interfaces with suitable p48 inputs.



*Studio Projects VTB-1*



Note: Remember to make sure that the 48v button is engaged on your preamp, or the circuitry of the LSM will not power up.



Another Note: Of course you will remember to have the input volume down while plugging the mic in, so as not to make your speaker cones jump across the room, or potentially cause a bunch of ear-splitting feedback.

3. Adjust the input gain to a suitable level and say something into the mic, such as the following palindrome: "**Stop, Syrian, I start at rats in airy spots!**" And there you go. Pretty cool, huh?

Now, if ye wish to employ the **USB** output - and I'm sure you do, please adhere to the following steps:

1. Insert the small end of the included mini USB cable into the USB plug on reverse side of the LSM, just above the round, three-pin xlr thingy.
2. Plug the other end of the USB cable into a computer, be it Mac or PC.
3. Select "USB Microphone" as your input source, bring up the volume and say something into the mic, such as the following palindrome: "**Are we not drawn onward, we few, drawn onward to new era?**" Adjust input volume as needed.
4. If you are at all confounded by step number 3 above, don't worry - we will cover that in greater detail now.

Note: For Windows users with audio recording software, we highly recommend that you install **ASIO4ALL** as your WDM driver for the LSM microphone. This driver can be found at [www.asio4all.com](http://www.asio4all.com). It is easy to install and configure: simply follow the instructions in the downloadable pdf user manual found on the ASIO4ALL website and adjust as needed for best performance on your system.

Setting up the LSM as your default recording device,  
**Windows XP:**

1. Go to the start menu (lower left-hand corner of the screen) and open up the control panel
2. Select sounds and audio devices
3. Select the Audio tab
4. Under Sound recording, select USB microphone in the drop-down menu, Default device:
5. Adjust volume of the microphone in Sound Recording by clicking the Volume button beneath the Default device: drop-down

You are now good to go.

Setting up the LSM as your default recording device,  
**Windows Vista:**

1. In the Start menu search, type in "Sound".
2. Select sound from the search results of the start menu under Programs



3. Click on the Recording tab in the Sounds menu and scroll down if needed until you locate Microphone. If the LSM is the only USB microphone plugged in to the computer, it will say "1- USB Microphone Working".
4. Mouse over and double-click in the field around the word Microphone to bring up the Microphone Properties menu.
5. In the General tab, type in "LSM".
6. Click on the Levels tab and adjust volume as needed.

You are now up and running.

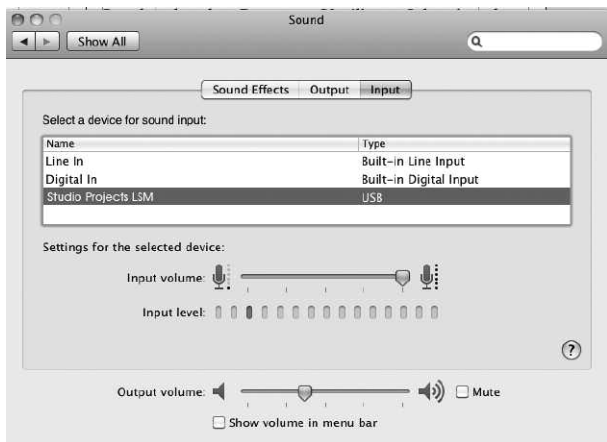
Setting up the LSM as your default recording device, Windows 7:

1. Well, it's pretty similar to the Vista setup, actually. The only caveat being, when you type in "Sound" in the start menu search field, you select sound under Control Panel, rather than Programs. You'll see. Other than that, it's basically the same as Vista.

You are styling. Nothing's going to stop you now...

Setting up the LSM as your default recording device,  
**Mac OS X:**

1. Connect LSM to Mac.
2. Mac OS should automatically detect USB LSM.
3. If Mac does not automatically detect mic, then go to “System Preferences” and select “Sound” in the “Hardware” list
4. Select “Input” and select USB.



If you run into any issues with the setup of the LSM and you're completely lost, or nothing's working as it should - just relax, chin up, make a cup of tea and give us a call at 310-323-9050, or in the UK +44 (0)1803 612 700. By email, contact us at [contactus@studioprojects.com](mailto:contactus@studioprojects.com). We are happy to help. Our U.S. facility is located in Southern California and we are open Monday through Friday, normal banker's hours. There is a good chance that you will get one of us on the phone before 9 a.m. or after 5 p.m. most business days as well. Otherwise, enjoy the mic, record a lot, wash behind your ears and remember to wear a hat if it's cold outside. Also, if you are using the LSM on a podcast or a recording project that you would like to share with us - by all means, let us know. Additionally, we may want to link to it on our site. Is anybody still reading this? Hellooo! Anyway, thank you very much for buying our gear, whoever you are. Enjoy!

Check our website for updates and videos about our products, including the LSM at [www.studioprojects.com](http://www.studioprojects.com)

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