Specifications

Model:	Cab Mic
Acoustic principle:	Pressure gradient transducer
Capsule:	34mm OD, true condenser
Directional pattern:	Cardioid
Sensitivity:	4 mV/Pa
Impedance:	112 Ohms
Signal-to-noise:	80 dBA
Equivalent noise:	12 dBA
Supply voltage:	48±4 VDC
Output connector:	XLR3M
Output:	Balanced, transformerless
Physical dimensions:	150mm × 44mm; 325g (mic only)

Warranty

The Roswell Cab Mic is guaranteed against defects in material and workmanship for one year from date of purchase. Should you encounter any problem with this microphone, promptly contact us for assistance. The original sales receipt will be necessary for warranty claims.

Please see the full product warranty on the Roswell website.

Register within 14 days of purchase to double your warranty. Scan the QR code at right to register, or visit the URL below. Find the mic's serial number on the QC card.

https://roswellproaudio.com/register

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Cab Mic



OPERATOR'S GUIDE

Welcome to the Roswell Family!

Thank you for your trust in Roswell Pro Audio! We would love to hear what you record with our microphones. Please share your tracks!

Find Us Online

Follow us on social media to see product updates, artist releases, and session photos. Tag us in your online mic photos; we love seeing (and reposting) our creative customers' recording spaces.

/roswellproaudio

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Warranty Registration

To double your microphone's warranty period, register it within 14 days of purchase. Register the microphone online; see the enclosed QC/Warranty card or the back cover of this booklet.

Introduction to the Cab Mic™

We designed this mic to make it easier to get great tracks from electric guitars. It differs from most microphones commonly used to record cabs. For example, the Roswell Cab Mic:

- has a smoother, yet more articulate response than most dynamics
- has a softer top end (above 3kHz) than most dynamics
- is less fragile than any ribbon mic
- has less pronounced proximity effect than most ribbon mics
- is easier to place on the cab than most other mics

Like all Roswell Pro Audio microphones, the Cab Mic is assembled, tested, and tuned in our California workshop, using hand-picked, premium components and a custom capsule.

Included

The Cab Mic package includes the following items:

- Roswell Cab Mic microphone
- Heavy duty swivel mount
- Roswell microfleece pouch
- Signed and dated QC/Warranty card with serial number

How To Use The Cab Mic

1- Connect the mic to a preamp or interface via XLR3 cable.
2- Turn the preamp's gain control fully counter-clockwise.
3- Engage phantom power ("+48V") on the preamp.
4- Position the mic on the cabinet (see notes below).

Turn up the preamp gain only if the recorded waveform peaks below -18dBFS.

Frequency Response

Like vintage ribbon mics, the Cab Mic has a "soft" top end. The frequency response is essentially flat to 3500Hz, with a gentle rolloff of higher frequencies. This voicing allows an honest capture of the guitar amp and speaker cabinet, while preventing harshness.

Mic Placement

We recommend positioning the Cab Mic so that its grille is centered on the dust cap of the speaker. While that position would be too bright for most dynamic mics, it works beautifully with the Cab Mic. The center of the speaker is the point where the speaker sounds the most accurate, the most articulate, and the least smeared. (We learned this trick from Steve Albini.)

Start with the Cab Mic six inches (15cm) from the grille cloth. Move the mic closer to the speaker to increase bass content. Move the mic farther from the speaker to decrease bass content.

Combining Microphones

Using two mics on cab is such a common technique that one could be forgiven for assuming that good tone *requires* the use of multiple mics. But this technique became common only because the most popular microphone used for guitar cab has a very thin bass response... forcing engineers to add a second mic to fill in the missing frequencies.

The challenge with combining mics is that it requires an enormous amount of time to choose two complementary mics, position both while adjusting for phase cancellations, then EQ both. Using a second mic requires three times the effort.

We recommend using the Cab Mic on its own, positioned as directed above. It is easy, repeatable, and sounds fantastic.