

Edge Duo - User Manual

1. Introduction

Edge Duo is a modelling microphone by Antelope Audio, suited for the manufacturer's real-time mic preamp modelling. Combined with the already highly acclaimed Antelope Audio FPGA Vintage Compressors & EQs, this new modelling microphone will comprise a true cutting-edge front end that will usher in a new era for modern recording.

Edge microphones feature dual edge-terminated capsules for a smooth/natural sound, reproducing the expressiveness and character of expensive classic microphones. Antelope founder Igor Levin designed the ground-breaking, fully discrete electronics. The hand-selected capsules are encased in a carefully crafted enclosure with contours and shape designed for optimal sonic performance. Edge Duo is an exquisite large diaphragm microphone with excellent transient response and capable of multiple polar patterns.

2. Safety Notes

Phantom power – ensure phantom power supply is 48V.

3. Connecting Edge Duo

Edge Duo comes with an Y-XLR cable. Each of the 3-pin XLR cable ends convey the signal from the Front & Back membranes of the microphone.

In order to use the microphone with the Antelope Audio Mic Emulations, you need to connect both cables to neighbouring mic preamps on your Antelope Audio Interface.

Phantom power is required on both channels (Red & White cables).

Edge Duo can be used in mono as a standard cardioid mic. However, using it as such, you won't be able to use the Antelope Audio FPGA Mic Modelling system.

4. Claim and assign features

Claiming features:

Open www.antelopeaudio.com and click LOGIN.

Enter your credentials and password

Navigate to Claim Features

Enter the voucher code ME*****, mark the checkbox on the End Users License Agreement and click "Claim"

Assigning features:

Open the interfaces Control Panel and go to the Help tab (the "?" button)

Open the Administration panel

Mark "Register device and assign features" and continue

Mark the checkbox with the Microphone Emulations and continue

The device will restart and your new Mic Emulations will be available.

5. Load a Mic Emulation in your Antelope Audio Interface.

Open the interface Control Panel and click on the little settings icon on the preamp gain control.

To have access to the mic settings, the input should be in Mic mode.



When you load a Mic Emulation the following screen will pop up.



Note: 48V Phantom power will be automatically enabled.

The following controls are available on the pop-up window once you choose the Edge Duo:



Phase invert – allows you to invert the polar pattern of the signal in the selected Mic input.



Phantom power switch – by default switched on when you're loading a Mic Emulation in the Antelope Audio interface Control Panel.



Mode switch – allows you to switch between Verge, Edge types or turn the emulation off.



Channel swap – this function is exclusive to Edge Duo, since it uses two inputs. It allows you to switch the channel order F-B (L-R) or B-F (R-L).



Emulation select – here you can choose the exact model of the mic you wish to emulate.



7. Technical Specifications

Microphone type: Stereo condenser microphone

Diaphragm: Large condenser – double-sided 6u gold-sputtered membranes

Diaphragm diameter: 34mm

Polar pattern: Multi-pattern (cardioid, figure-8, omnidirectional)

Frequency response: 20HZ ~ 20kHz

Sensitivity: -35dB | 18mV/Pa (-1 to +3dB)

THD+N: -116dB

Self-noise: 19dB(A)

SNR: 75dB(A)

Output impedance: 50 Ohms @ 1kHz

Power requirements: 48V DC phantom power

Output connector: 5-pin male XLR

Color: Black matte

Weight (mic body): 1.23 lbs (560 grams)

Dimensions (mic body): 8.6" x 2.1" (219mm x 53mm)

Package contents:

Breakout cable: 16.4' (5 meters) 5-pin female XLR to dual 3-pin male XLR (high grade OFC Y-cable)

Mount: Shock absorber type

Case: Standard mid-size road case with handle and custom-fit foam inserts

Can be transformed into a vintage replica via the Antelope Audio Mic Emulation Packs.

Vintage Mic Emulations:

Berlin 47 FT	Sacramento 121R
Berlin 49T	Berlin K86
Berlin 57	Berlin 47 TU
Berlin 87	Berlin V563
Berlin 67	Berlin/Halske M25
Berlin M103	Berlin M251
Vienna 12	Minnesota 20
Vienna 414	Illinois 7B
Tokyo 800T	
Oxford 4038	