

Quick Start MS with the Audio-Technica BP4029 Microphone

(Garrison for RTF 2-19-16)

The BP4029 is a Mid-Side (MS) microphone that has a three-position switch on the body. Remember that you must hold the microphone with the word “UP” on top—the two open grills should be on the right and left side.

MS - In this position the microphone sends two-channel mono signals; the cardioid through the Gray cable and the bidirectional (Figure-of-Eight) through the Red cable. It is not a stereo signal and needs to be matrixed.

LR-N - The microphone's internal circuits matrix the signal to make a standard stereo. The stereo pick-up pattern is narrow. Left is through the Gray cable and Right is through the Red cable

LR-W - The microphone's internal circuits matrix the signal to make a standard stereo. The stereo pick-up pattern is wide. Left is through the Gray cable and Right is through the Red cable

Select either the LR-N or LR-W setting on the microphone. This means your signal coming from the microphone is already a two-track stereo signal. One of the beauties of M-S recording is that the mono cardioid signal is always extractable later in post.

Send the Gray-banded cable to Channel 1 (Left) and the Red-banded cable to Channel 2 (Right) in your recorder.

Check to see that you have selected phantom power for both mic inputs on your recorder.

Link Channels 1 and 2 on the recorder. These are menu options. Linking will enable you to control the gain of both the Left and Right with a single fader. In the **744T**, it is Menu Setting “**29 Input 1,2 :Linking, MS.**”, in the **702T** it is menu **item 28**. Select “Linked 1,2.” Channel 1 fader controls the gain for both inputs 1 and 2. Channel 2 fader controls the pan. Center the Channel 2 fader to the 12 o’clock, “unity” position. DO NOT SELECT AN MS SETTING IN YOUR RECORDER. By choosing the LR-N or LRW selection on the microphone, you are now already receiving a stereo signal and it does not need to be matrixed again!

In the **633**, go to the Setup Menu, **INPUTS/Ch 1-2 Linking/ 1-2 [NOT 1-2M/S]**

When a pair of inputs is linked:

- Each channels’ Trim Control and High-Pass Filter Control work as normal, controlling coarse gain and High-pass Filtering for their respective inputs.
- The odd channel’s Input Fader controls the post-fader level of both inputs.
- The odd channel’s Pan Control controls the balance of the stereo signal to the Master Bus.
- The even channel’s Fader Control and Pan Control are disabled.
- The limiters of both inputs are linked.
- The background label of both inputs is connected on the Main Screen.

In your headphones, monitor as simple LR.