

CONGRATULATIONS,

You now own the finest pedal ever made. A Morley. The PWA is designed for years of trouble-free operation. To insure your satisfaction, please take a bit of time to read this book to acquaint yourself with some of the features that may be new to you. Above all, we hope you enjoy your new Morley PWA as much as we enjoyed building it for you.

GENERAL INFORMATION

The Morley PWA is A.C. powered and photo-electric cell driven. There is no rack and pinion gear nor is there a pot coupled to the pedal, as you might find in most other pedals. The indicator light is the driving source for the PWA and must be ON for the unit to operate. Replace a damaged bulb using a factory replacement or a #387 lamp as a substitute. A #327 may also be used in an emergency.

A NOTE TO GUITARISTS

The Wah in the Morley PWA has a response of seven octaves from 25 Hz to 4,000 Hz. This was designed to increase the flexibility to allow its use with octave dividers, keyboards and bass guitar. Since the pedal range is far greater than the range the guitar is capable of, the effect with a guitar is interesting. In the first 1/2" of travel, the Wah peak is working in the two octaves below the last note on the guitar. The only change the guitarist hears is in the volume of his guitar. This can be used effectively in performance. Toe up to use it for rhythm, toe down 1/2" to play lead and beyond 1/2" to play lead using the Wah.

OPERATING INSTRUCTIONS

1. Plug the PWA into an appropriate A.C. source.
2. Connect the instrument to the PWA by plugging one end of a shielded cable to the instrument and plug the other end into the input labeled "INSTRUMENT" on the AUTOMATIC WAH.
3. Connect the amp to the PWA by plugging one of the ends of a shielded cord into the input of the amp, and the other end into the remaining PWA jack labeled "AMPLIFIER".
4. Set the controls on your instrument, and your amplifier to their usual positions.

AS AN EXPRESSION PEDAL (VOLUME ONLY)

1. Make sure that the switch marked "AUTO-PEDAL" and the "WAH-VOLUME" switch are both off.
2. In the UP pedal position (toe up, heel down), there should be no sound. As the rocker pedal is pressed down, the sound level increases in relation to the angle of the pedal. The level increases as you press downward on the pedal.

AS A WAH PEDAL ONLY

1. To use the PWA as a Wah, press the footswitch on the right side marked "WAH-VOLUME".
2. Press the "WAH-VOLUME" switch again to return the PWA to the Volume pedal mode. Since a Wah uses a peak in the response to obtain the Wah effect, there will be a difference in levels, depending on the position of the pedal at the time the footswitch is pressed.

THE AUTOMATIC WAH MODE

1. To use the PWA in the "AUTO-WAH" position, it simply requires pressing both the switches so that both the "AUTO-PEDAL" LED and the LED on the "WAH-VOLUME" are lighted. The "AUTO-PEDAL" LED will indicate the rate at which the pedal speed is operating. To increase the speed the Wah is going, push down further on the pedal. The controls on the side of the PWA only work in the Auto-Wah mode, and govern the features marked "CENTER" and "TRAVEL". The "CENTER" or pivot knob sets the point in the frequency at which the Wah will operate. Turn the "CENTER" knob clockwise to raise the pivot point. Turn it counter-clockwise to lower the range. In a similar manner, the "TRAVEL" knob determines the distance of the Wah sweep. Turn it up for increased Wah travel, and down for less.
2. To use the Auto-Wah effect, set both controls in the straight-up position, and push the pedal down about 1". The final position of your pedal will be determined by the beat desired. Now push down further on the pedal and reduce the "TRAVEL" until the pulsations are barely audible. Adjust the "CENTER" control like you would a tone control and you have a very nice Tremolo effect. Increase the "TRAVEL" slightly.
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