



Ace R/C, Inc., 116 W 19 ST, POB 472, Higginsville MO 64037-0472
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11G10CD FM Shift Inverter w/Deans

INTRODUCTION

When broadcasting in the Frequency Modulation mode, the frequency shift can be either "negative" or "positive." The receiver being used with any given FM transmitter must correspond with this shift.

In its stock configuration, the Ace FM transmitter RF deck (11G9FMCD) is a "negative-going shift" device. This makes it compatible with its companion receiver, the Ace ProStar, as well as 72/75 mHz Futaba, Hitech, and RCD FM receivers.

Installation of the FM Shift Inverter (11G10CD) between the encoder and the FM RF deck will change that Ace transmitter from a "negative-going shift" device to a "positive-going shift" device, making it compatible with Airtronics, JR, and 50/53 mHz Futaba FM receivers.

Note: of course, the receivers have to be on the same frequency as the transmitter and they have to be "PPM" (pulse position) type. The Ace FM transmitter is not compatible with any "PCM" (pulse code) type receiver.

The shift inverter can be installed in any Ace R/C FM transmitter, whether it is a MicroPro, Silver Seven, Olympic, or Nautical Commander. It can't be used in conjunction with any other brand radio.

INSTALLATION

The FM Shift Inverter simply plugs in and requires only a moment of time. It will not alter the general operation of the transmitter and no retuning or recertification is required.

Making sure the transmitter is off, remove the back, and note the three wire cable that goes in between the encoder PC board and the FM RF deck. Unplug the three pin connector that plugs into the FM RF deck. Plug the female end of the Shift Inverter into the FM RF deck and the male end into the connector you just unplugged. The Shift Inverter will now be "in-line" between the encoder and FM RF Deck.

That's all there is to it. Replace the back and the transmitter is now ready for operation in the FM "positive-going shift" mode. To return it to its original configuration, simply unplug the Shift Inverter and plug the three pin connector from the encoder board directly into the FMRF deck. Suggestion: if you will be changing back and forth from time-to-time, it would be a good idea to attach the Shift Inverter to a safe place in the interior of the transmitter with some sticky backed Velcro, double-sided tape, or a nylon wrap 'n tie. That way, you won't lose it in your flight box when you aren't using it!

OPERATION

With the Shift Inverter installed, you should find that your Ace FM transmitter now will operate your "positive-going shift" receiver. Always perform a range check to make sure that performance has not degraded. As with any new electronic device, we'd suggest several test flights in a "test-bird" before dedicating this new link-up to a valuable airplane, just to make doubly sure everything functions properly.

Thank you for your dedication to our products. This device has just expanded the capability of your transmitter and we hope that you find that this enhanced capability increases your enjoyment of this sport/hobby.



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