

## LX200 Boot Emulator with Joystick

### OVERVIEW

The purpose of this LX200 Classic accessory is twofold: Firstly, to emulate the boot-up communications the telescope performs with its hand controller, and thereby allow the telescope to come to full operation, if the emulator is plugged into the Keypad jack instead of the hand controller. Second, to provide direction and speed control via the joystick.

With the boot-up conversation completed, the telescope will be able to respond to commands received through its RS232 port.

**WARNING 1: ALWAYS ENSURE THE TELESCOPE IS POWERED OFF WHEN CONNECTING OR DISCONNECTING THE HANDSET EMULATOR.**

**WARNING 2: NEVER REPLACE THE INCLUDED CORD WITH A DIFFERENT CORD, UNLESS YOU ARE CERTAIN IT IS A STRAIGHT-THROUGH WIRED CORD. (YOUR ORIGINAL MEADE COILED HANDSET CORD IS STRAIGHT-THROUGH, AND OK TO USE.)**

### Usage

With the telescope off, simply plug the emulator into the Keypad jack on the front panel of the scope, where the handset normally goes.

Then, turn the telescope's power on. The telescope will go through its normal boot-up process and handshake with what it thinks is the Meade hand controller.

When that completes successfully, in about ten seconds, a red LED on the emulator will blink three times. This tells you the telescope is ready. You can now point the telescope using the joystick, and control it via the RS-232 port using your own planetarium software.



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## Customizing the N/S and E/W Directions

You can reverse the sense of the North/South and East/West movements.

Carefully pry off the small hatch on the back of the emulator, and you will find two small switches which can be toggled using a small screwdriver or similar implement.

When finished, snap the hatch back in place.

