## Tekskil Dynamic Balance Cradle adjustment guide



Lens shake and camera lurching are major productions issues for on-air pan/tilt units. Incorrect payload balance is the root cause of the flawed video – it's also a major contributor to pan/tilt motor failure. The common workaround is to add counterweights to compensate for poor balance – however the added weight adds even more strain to the pan/tilt unit.

The Tekskil Dynamic Balance Cradle (DBC) prevents vibration and lurching issues and eliminates the need for counterweights.

The DBC enables double axis adjustment to ensure the pan/tilt payload is in perfect dynamic balance with a few simple steps.

Start by removing the hub lock bolts (inset) so the cradle can rotate freely.



Horizontal balance is set by loosening the securing knob on the underside of the prompter, and sliding the load left or right until balance is reached.



Rotate the prompter 90 degrees (camera up). While supporting the unit with your hand, note the direction it tips (clockwise or counterclockwise). Turn the Cradle Adjusting screw in the same direction as the tip, until the tipping motion stops.



Center of gravity is set by vertical adjustment. Loosen the two blue securing knobs on the back and turn the Cradle Adjusting Screw (inset) to change height.



Insert 6 Phillips screws into the Monitor Locking Clamp, and tighten the securing knobs shown in steps A and B. Lastly, install the two hub locking Allen bolts (top photo).

Your Tekskil prompter and pan/tilt unit is set to go.

Comments or questions? Call us at 877-tekskil or email Tekskilprompters2009@Tekskil.com