



## FUNCTIONS OF THE INTELLISENSE® CONTROLLER

### Calibrate

Calibration of the Drill is required. When the Controller is 1st powered on, it will instruct the user to calibrate the drill. To calibrate the Drill, retract and release the Depth Sensing Arm (DSA) as guided by the on-screen instructions.

### Bit Size Range

Entering the correct drill bit size range helps ensure accuracy. Following calibration, the Controller will instruct the user to input the bit size range used. Press the correct bit size range button. This value must be updated each time the drill bit diameter range changes during a procedure.

Drill Bit Diameter

1.0mm - 1.7mm

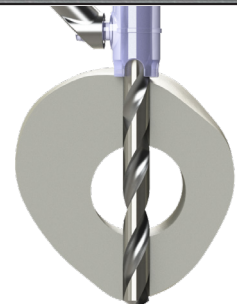
1.8mm - 3.5mm

3.6mm - 4.8mm

### Bicortical Mode

Bicortical Mode is the default setting for the IntelliSense® Drill. It features auto-stop functionality and real-time depth measurement. In this mode the drill will automatically stop once a full-bore hole has been made through the 2nd cortices. The depth measurement is accurate to 0.6mm.

If the operator would like to drill multiple holes in the far cortex: after bicortical breach has been detected, pull the reverse trigger and partially back the drill bit out of the far cortex without removing from the bone (still in the medullary canal), redirect the drill in a new direction then pull the forward trigger. The next cortex will be sensed, and the drill will stop. Repeat if desired. Once the drill bit is completely removed from the bone and the depth sensing arm is fully extended, the bicortical sensing will occur as normal for the next hole drilled.



Bicortical

### Set Depth

This mode allows the operator to set a particular depth at which the surgeon requires the drill to auto stop. Once the predetermined depth is set, the drill will operate until that depth is reached and auto stop. If desired an Additional Increment can be set which will allow the drill to continue that amount after stopping. Continuing this additional amount can happen multiple times. The Set Depth and the Additional Increment are limited to a maximum value of 65.0mm.



Set Depth

### Freehand Mode

Freehand Mode allows the Drill to function just like a traditional drill.

Freehand Mode lacks the auto-stop feature but includes real-time drill depth data shown on the display. The Surgeon must drill based on "feel", stopping when they feel they have reached the desired stopping point.

CAUTION: The Drill will NOT stop automatically at any cortex.

### MultiCortex

This mode allows the operator to set a number of cortices. The drill will move through and exit the set number of cortices, making an audible signal as it exits each cortex. When it reaches the last numbered cortex, the controller will stop the rotation of the drill motor, make an audible signal, and the drill hole depth is displayed, as well as the depth of each cortex through which the drill bit passed.



MultiCortex

### Hole Depth

The Hole Depth feature stores drill data for up to 17 holes on the screen at a time.

The Surgeon, or their staff, can scroll back through the data of a previously drilled hole by pressing/selecting that desired hole number from the display.