MXE 3.0R2 Basic Setup Procedure

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The following is a helpful list of simple steps for a quick startup of the MXE 3.0R2 software.

This example illustrates the navigation path: **Menu > Submenu > Parameter = Value.**

1. Impedance plane mode setup:
   a. Select **Display** > **Acquisition** > **SI Strip Chart and Impedance Plane** (F7).
   b. Select **Scan** > **Inspection** > **Time** (F8).
   c. Select **EC Settings** > **Settings (MAIN)** [F2], and then set the **Frequency** (F7), the **Probe Drive** (F8), and the **Gain** (F9).
   d. Balance the probe on an area without any defect or fastener.
   e. Adjust the lift-off by using the **Rotation** (F10) to get the beginning of a lift-off signal in a left horizontal direction from the dot positioned at 80% horizontally and 20% vertically.
   f. So that the defect signal reaches 80% high on the impedance plane, adjust the impedance plane gain by scanning the defect, and then setting the horizontal **Gain** (F9) and the **Vertical Gain** (F10).
2. C-scan and impedance plane mode setup:
   a. Select **Display** > **Acquisition** > **CSI C-Scan, Strip Chart and Impedance Plane** (F7).
   b. Select **Scan** > **Inspection** > **Encoder 1** (F8).
   c. Optional: Select **Continuous Mode** (F11).
   d. Select **Area** (F4) > **Scan End** (F8), and then, to set the value, consult the probe chart for C-scan and impedance plane.
   e. The default color palette is **SPECTRUM.pal**. If a change in palette is needed to optimize the display, select **Display** > **Color** > **F9** to load a new palette.
   f. Balance the probe on an area without any defect or fastener.
   g. If needed, to get a clearer image of the defect, adjust the C-scan gain by scanning the defect, and then setting the horizontal **Gain** (F9) and the **Vertical Gain** (F10).
3. C-Scan mode:
   a. Select **Display** > **Setup** > **C-Scan** (F7).
   b. Press **F4** to select **Area** > **Scan End** (F8), and then, to set the value, consult the probe chart for C-scan.
4. Record results
   a. Optional: To save the file and data, press .
   b. Optional: To save the setup, select **File** > **Save**, press F8 to select **Save Setup As**, press F9 to select **File Name**, then use the function keys to type the desired name, and press F7 to save.