

**OEM Integration Checklist**

Use this checklist to ensure the rest of your installation goes as planned.

Client name:

Vehicle Year/Make/Model:

Notes about vehicle:

**High or Low Level?**Use the **Voltage Meter** function

- |   |  |                   |                          |
|---|--|-------------------|--------------------------|
| 1 | Connect an audio output from the DM-RTA to your head unit, play sine wave @ 1khz.      |                   |                          |
| 2 | Test the signal between OEM head unit & amplifier using the 4 pin speaker level input. |                   |                          |
| 3 | Test output from the OEM amplifier using 4 pin speaker level input.                    |                   |                          |
| 4 | Record your results:   | Was the voltage:  |                          |
|   |  | Less than 5 volts | (balanced preamp)        |
|   |  | 5-12 volts        | (basic deck power)       |
|   |  | 13 volts or more  | (post-amp speaker level) |

**Find Max Volume**Use the **Oscilloscope** function

- |   |   |
|---|---|
| 1 | Connect an audio output from the DM-RTA to your head unit, playing sine wave @ 500hz.   |
| 2 | Test the output of the source you plan to use for input, using the appropriate connector.   |
| 3 | Turn the volume up on the source until you start to see clipping on the top of the display. Back it down a click or two. This is your maximum undistorted volume from the source. |
| 4 | Record that volume number here for future reference → <b>MAX VOLUME:</b>  |

**Pre-Crossed Over?**Use the **RTA** function

- |   |  |
|---|--|
| 1 | Connect an audio output from DM-RTA to head unit, center all BASS/TREBLE/BALANCE/FADER settings, & start playing pink noise. |
| 2 | Connect each channel individually using the 4 pin speaker level input.   |
| 3 | Analyze the results to determine if the signals are full range, or pre-crossed over.   |
| 4 | Record your results: (Check the appropriate box or write in the frequency range)   |

|              | Full Range? | OR | Pre-Crossed Over? |
|--------------|-------------|----|-------------------|
| FRONT HI     |             |    |                   |
| FRONT MID    |             |    |                   |
| FRONT LOW    |             |    |                   |
| REAR HI      |             |    |                   |
| REAR LOW     |             |    |                   |
| CENTER       |             |    |                   |
| SUBWOOFER(S) |             |    |                   |
| OTHER        |             |    |                   |

**EQ or no EQ?**Use the **RTA** function

- |   |  |
|---|--|
| 1 | Connect an audio output from the DM-RTA to the source unit.                              |
| 2 | Center all BASS/TREBLE/BALANCE/FADER settings, & start playing pink noise.               |
| 3 | Connect each channel individually using the 4 pin phoenix connector/speaker level input. |
| 4 | Test each channel, looking for any major peaks or valleys in the frequency response.     |
| 5 | Change volume up & down to confirm.  |
| 6 | Record your results:   |

Now you know... the type of signal you'll be dealing with, where you'll obtain signal/integrate, if summing will be necessary, if AccuBass will be needed, max volume and what type of integration product will be required to achieve the intended results.

Suggested integration products:

**EPICENTER Plus / LC2i / LC6i / LC7i / LC8i / LCQ-1 / DQ-61 / DM-608 / DM-810**