

**4.24G\_Active\_Channel\_Updates.doc** contains the update messages that are transmitted from a 4.24G, when a user adjusts parameters via its front panel interface.

**4.24G\_GS\_Protocol.doc** contains the standard control messages for the 4.24G Graphic EQ, 4.24GS four-channel Graphic EQ slave, and 2.24GS two-channel Graphic EQ slave. *[Note: the (GS) Graphic EQ Slaves have no front panel interface. However they have a contact closure interface on the back panel, that may be used to recall scenes 1-6. A slave will transmit an 'active channel' Data Inquiry Response Message when a contact closure scene recall occurs, only if it contains the 'active channel'. Refer to 4.24G\_Active\_Channel\_Updates.doc for the definition of 'active channel'.]*

**4.24PS\_2.24PS\_Protocol.doc** contains the standard control messages for the 4.24PS four-channel Parametric EQ slave, and 2.24GS two-channel Parametric EQ slave. *[Note: these units have no front panel interface. However they have a contact closure interface on the back panel, that may be used to recall scenes 1-6. A Parametric EQ slave will transmit an 'active channel' Data Inquiry Response Message when a contact closure scene recall occurs, only if it contains the 'active channel'.]*

**4.24D\_Protocol.doc & 4.24D\_Data\_Response.xls** contain the control protocol for the 4.24D slave distribution system processor. *[Note: the 4.24D has no front panel interface. However, a user may recall presets 1-8 via rear-panel contact closure switches. The 4.24D will transmit a Data Response Message when a contact closure preset recall occurs, only if it is the current 'active channel'.]*

**4.24C\_Protocol.doc & 4.24C\_Data\_Response.xls** contain the control protocol and active channel update messages for the 4.24C digital crossover/system processor.

**VCM88\_Control\_Protocols.doc & VCM88\_RS232\_Details.doc** contain the control protocols for the VCM88/VCX80 remote level control devices. These are slave units with no preset or scene storage capability. Communications to a VCM88/VCX80 is strictly one-way. Your control device should periodically refresh all eight levels. In addition, our VCM88/VCX80 control software & hardware also implement a virtual master level fader. The master level fader provides an offset to each of the eight level values that are transmitted to the VCM88/VCX80.