### Logical to Physical CAN signal mapping – Audio Management variant 2

This Volume deployment table maps the SPSS logical signals to the physical CAN signals.

Note: This is for reference only. If there is a conflict between the name in the CAN signal name column and what is found in the actual CAN dB then the CAN dB takes precedent. Please bring to Ford’s attention if there is a conflict.

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| --- | --- | --- | --- |
| **Comments** | **Logical Signal Name** | **CAN signal name** | **CAN Message Name** |
|  | SetVolume (carryover) – rotary knob | SetVolume (EFP)  RACM\_SetVolume | 0x2A0 EFP\_Button\_Press  0x2A2 RACM\_Button\_Press |
|  | SetVolume (LIN) – (carryover) | N/A – see LIN dB | N/A – see LIN dB |
|  | SWC Volume (carryover) – volume push button | ICI\_BtnID\_A  ICI\_BtnID\_B  ICI\_BtnID\_C  ICI\_BtnID\_D  ICI\_Coding\_BtnID\_A  ICI\_Coding\_BtnID\_B  ICI\_Coding\_BtnID\_C  ICI\_Coding\_BtnID\_D | 0x2A1 Mc\_Send\_Signals\_1\_HS3 |
| VIP sends to CCPU internal to PDC. See input translation matrix | SHC Volume (TBD) | TBD – SHC to VIP PDC | TBD – SHC to VIP PDC |
| Need to be in the same message PDC Tx | Audio\_Vol\_Level | CabnMedVolLvl\_D\_Stat | 0x63 APIM\_Send\_Signals\_15 |
| Audio\_Vol\_Updated | MedVolUpdt\_B\_Stat |
| PAC Tx | VolCntrl\_Audio\_Vol\_Level | CabnMedVolCtl\_D\_Stat | 0x67 ACU\_Send\_Signals\_15 |
| DSP AMP Tx | VolCntrl\_Audio\_Vol\_Level | CabnMedVolCtl\_D\_Stat2 | 0x6A DSPAMP\_Send\_Signals\_3 |
| Need to be in the same message PDC Tx | Phone\_Vol\_Level | CabnPhonVolLvl\_D\_Stat | 0x63 APIM\_Send\_Signals\_15 |
| Phone\_Vol\_Updated | PhonVolUpdt\_B\_Stat |
| Need to be in the same message PDC Tx | Prompt\_Vol\_Level | CabnPrmptVolLvl\_D\_Stat | 0x63 APIM\_Send\_Signals\_15 |
| Prompt\_Vol\_Updated | PrmptVolUpdt\_B\_Stat |
| Need to be in the same message PDC Tx | RA\_Vol\_Level | CabnRaVolLvl\_D\_Stat | 0x63 APIM\_Send\_Signals\_15 |
| RA\_Vol\_Updated | RaVolUpdt\_B\_Stat |
| PAC Tx | VolCntrl\_RA\_Vol\_Level | CabnRaVolCtl\_D\_Stat | 0x67 ACU\_Send\_Signals\_15 |
| DSP Tx | VolCntrl\_RA\_Vol\_Level | CabnRaVolCtl\_D\_Stat2 | 0x6A DSPAMP\_Send\_Signals\_3 |
| Need to be in the same message PDC Tx | CallRing\_Vol\_Level | CabnCallRngVolLvl\_D\_St | 0x63 APIM\_Send\_Signals\_15 |
| CallRing\_Vol\_Updated | CallRngVolUpdt\_B\_Stat |
| N/A – logically internal to PDC | ManAudioMute.St | N/A – logically internal to PDC | N/A |
| Need to be in the same message  PDC Tx | Audio\_Vol\_Level\_Zone1 | MedVolLvlZone1\_D\_Stat | 0x64 APIM\_Send\_Signals\_16 |
| Audio\_Vol\_Level\_Zone2 | MedVolLvlZone2\_D\_Stat |
| Audio\_Vol\_Level\_Zone3 | MedVolLvlZone3\_D\_Stat |
| Audio\_Vol\_Level\_Zone4 | MedVolLvlZone4\_D\_Stat |
| Audio\_Vol\_Level\_Zone5 | MedVolLvlZone5\_D\_Stat |
| Audio\_Vol\_Level\_Zone6 | MedVolLvlZone6\_D\_Stat |
| Audio\_Vol\_Zone1\_Updated | MedVolUpdtZone1\_B\_Stat |
| Audio\_Vol\_Zone2\_Updated | MedVolUpdtZone2\_B\_Stat |
| Audio\_Vol\_Zone3\_Updated | MedVolUpdtZone3\_B\_Stat |
| Audio\_Vol\_Zone4\_Updated | MedVolUpdtZone4\_B\_Stat |
| Audio\_Vol\_Zone5\_Updated | MedVolUpdtZone5\_B\_Stat |
| Audio\_Vol\_Zone6\_Updated | MedVolUpdtZone6\_B\_Stat |
| Need to be in the same message  PAC Tx | VolCntlr\_Audio\_Vol\_Level\_Zone1 | MedVolCtlZone1\_D\_Stat | 0x68 ACU\_Send\_Signals\_16 |
| VolCntlr\_Audio\_Vol\_Level\_Zone2 | MedVolCtlZone2\_D\_Stat |
| VolCntlr\_Audio\_Vol\_Level\_Zone3 | MedVolCtlZone3\_D\_Stat |
| VolCntlr\_Audio\_Vol\_Level\_Zone4 | MedVolCtlZone4\_D\_Stat |
| VolCntlr\_Audio\_Vol\_Level\_Zone5 | MedVolCtlZone5\_D\_Stat |
| VolCntlr\_Audio\_Vol\_Level\_Zone6 | MedVolCtlZone6\_D\_Stat |
| Need to be in the same message  DSP AMP Tx | VolCntlr\_Audio\_Vol\_Level\_Zone1 | MedVolCtlZone1\_D\_Stat2 | 0x6A DSPAMP\_Send\_Signals\_3 |
| VolCntlr\_Audio\_Vol\_Level\_Zone2 | MedVolCtlZone2\_D\_Stat2 |
| VolCntlr\_Audio\_Vol\_Level\_Zone3 | MedVolCtlZone3\_D\_Stat2 |
| VolCntlr\_Audio\_Vol\_Level\_Zone4 | MedVolCtlZone4\_D\_Stat2 |
| VolCntlr\_Audio\_Vol\_Level\_Zone5 | MedVolCtlZone5\_D\_Stat2 |
| VolCntlr\_Audio\_Vol\_Level\_Zone6 | MedVolCtlZone6\_D\_Stat2 |
| Need to be in the same message  PDC Tx | Prompt\_Vol\_Level\_Zone1 | PrmptVolLvlZone1\_D\_St | 0x65 APIM\_Send\_Signals\_17 |
| Prompt\_Vol\_Level\_Zone2 | PrmptVolLvlZone2\_D\_St |
| Prompt\_Vol\_Level\_Zone3 | PrmptVolLvlZone3\_D\_St |
| Prompt\_Vol\_Level\_Zone4 | PrmptVolLvlZone4\_D\_St |
| Prompt\_Vol\_Level\_Zone5 | PrmptVolLvlZone5\_D\_St |
| Prompt\_Vol\_Level\_Zone6 | PrmptVolLvlZone6\_D\_St |
| Prompt\_Vol\_Zone1\_Updated | PrmptVolUpdtZone1\_B\_St |
| Prompt\_Vol\_Zone2\_Updated | PrmptVolUpdtZone2\_B\_St |
| Prompt\_Vol\_Zone3\_Updated | PrmptVolUpdtZone3\_B\_St |
| Prompt\_Vol\_Zone4\_Updated | PrmptVolUpdtZone4\_B\_St |
| Prompt\_Vol\_Zone5\_Updated | PrmptVolUpdtZone5\_B\_St |
| Prompt\_Vol\_Zone6\_Updated | PrmptVolUpdtZone6\_B\_St |
| Need to be in the same message  PDC Tx | TempSource\_Vol\_Level\_Zone1 | PhonRaVolLvlZone1\_D\_St | 0x66 APIM\_Send\_Signals\_18 |
| TempSource\_Vol\_Level\_Zone2 | PhonRaVolLvlZone2\_D\_St |
| TempSource\_Vol\_Level\_Zone3 | PhonRaVolLvlZone3\_D\_St |
| TempSource\_Vol\_Level\_Zone4 | PhonRaVolLvlZone4\_D\_St |
| TempSource\_Vol\_Level\_Zone5 | PhonRaVolLvlZone5\_D\_St |
| TempSource\_Vol\_Level\_Zone6 | PhonRaVolLvlZone6\_D\_St |
| TempSource\_Vol\_Zone1\_Updated | PhonRaVolUpdtZon1\_B\_St |
| TempSource\_Vol\_Zone2\_Updated | PhonRaVolUpdtZon2\_B\_St |
| TempSource\_Vol\_Zone3\_Updated | PhonRaVolUpdtZon3\_B\_St |
| TempSource\_Vol\_Zone4\_Updated | PhonRaVolUpdtZon4\_B\_St |
| TempSource\_Vol\_Zone5\_Updated | PhonRaVolUpdtZon5\_B\_St |
| TempSource\_Vol\_Zone6\_Updated | PhonRaVolUpdtZon6\_B\_St |
| Need to be in the same message  PAC Tx | VolCntlr\_TempSource\_Vol\_Level\_Zone1 | PhonRaVolCtlZone1\_D\_St | 0x69 ACU\_Send\_Signals\_17 |
| VolCntlr\_TempSource\_Vol\_Level\_Zone2 | PhonRaVolCtlZone2\_D\_St |
| VolCntlr\_TempSource\_Vol\_Level\_Zone3 | PhonRaVolCtlZone3\_D\_St |
| VolCntlr\_TempSource\_Vol\_Level\_Zone4 | PhonRaVolCtlZone4\_D\_St |
| VolCntlr\_TempSource\_Vol\_Level\_Zone5 | PhonRaVolCtlZone5\_D\_St |
| VolCntlr\_TempSource\_Vol\_Level\_Zone6 | PhonRaVolCtlZone6\_D\_St |
| Need to be in the same message  DSP AMP Tx | VolCntlr\_TempSource\_Vol\_Level\_Zone1 | PhonRaVolCtlZon1\_D\_St2 | 0x6B DSPAMP\_Send\_Signals\_4 |
| VolCntlr\_TempSource\_Vol\_Level\_Zone2 | PhonRaVolCtlZon2\_D\_St2 |
| VolCntlr\_TempSource\_Vol\_Level\_Zone3 | PhonRaVolCtlZon3\_D\_St2 |
| VolCntlr\_TempSource\_Vol\_Level\_Zone4 | PhonRaVolCtlZon4\_D\_St2 |
| VolCntlr\_TempSource\_Vol\_Level\_Zone5 | PhonRaVolCtlZon5\_D\_St2 |
| VolCntlr\_TempSource\_Vol\_Level\_Zone6 | PhonRaVolCtlZon6\_D\_St2 |
| Need to be in the same message | Offset\_Vol\_Zone1 | OffstVolZone1\_No\_Actl | 0x63 APIM\_Send\_Signals\_15 |
| Offset\_Vol\_Zone2 | OffstVolZone2\_No\_Actl |
| Offset\_Vol\_Zone3 | OffstVolZone3\_No\_Actl |
| Offset\_Vol\_Zone4 | OffstVolZone4\_No\_Actl |
| Offset\_Vol\_Zone5 | OffstVolZone5\_No\_Actl |
| Offset\_Vol\_Zone6 | OffstVolZone6\_No\_Actl |
| Offset\_Vol\_Zone1\_Updated | OffstVolUpdtZone1\_B\_St |
| Offset\_Vol\_Zone2\_Updated | OffstVolUpdtZone2\_B\_St |
| Offset\_Vol\_Zone3\_Updated | OffstVolUpdtZone3\_B\_St |
| Offset\_Vol\_Zone4\_Updated | OffstVolUpdtZone4\_B\_St |
| Offset\_Vol\_Zone5\_Updated | OffstVolUpdtZone5\_B\_St |
| Offset\_Vol\_Zone6\_Updated | OffstVolUpdtZone6\_B\_St |
| Need to be in the same message  PAC Tx | VolCntlr\_Offset\_Vol\_Zone1 | OffstVolCtlZon1\_No\_Act | 0x68 ACU\_Send\_Signals\_16 |
| VolCntlr\_Offset\_Vol\_Zone2 | OffstVolCtlZon2\_No\_Act |
| VolCntlr\_Offset\_Vol\_Zone3 | OffstVolCtlZon3\_No\_Act |
| VolCntlr\_Offset\_Vol\_Zone4 | OffstVolCtlZon4\_No\_Act |
| VolCntlr\_Offset\_Vol\_Zone5 | OffstVolCtlZon5\_No\_Act |
| VolCntlr\_Offset\_Vol\_Zone6 | OffstVolCtlZon6\_No\_Act |
| Need to be in the same message  DSP AMP Tx | VolCntlr\_Offset\_Vol\_Zone1 | OffstVolCtlZon1\_No\_Act2 | 0x6A DSPAMP\_Send\_Signals\_3 |
| VolCntlr\_Offset\_Vol\_Zone2 | OffstVolCtlZon2\_No\_Act2 |
| VolCntlr\_Offset\_Vol\_Zone3 | OffstVolCtlZon3\_No\_Act2 |
| VolCntlr\_Offset\_Vol\_Zone4 | OffstVolCtlZon4\_No\_Act2 |
| VolCntlr\_Offset\_Vol\_Zone5 | OffstVolCtlZon5\_No\_Act2 |
| VolCntlr\_Offset\_Vol\_Zone6 | OffstVolCtlZon6\_No\_Act2 |
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