

TAS2563 OutMux configuration

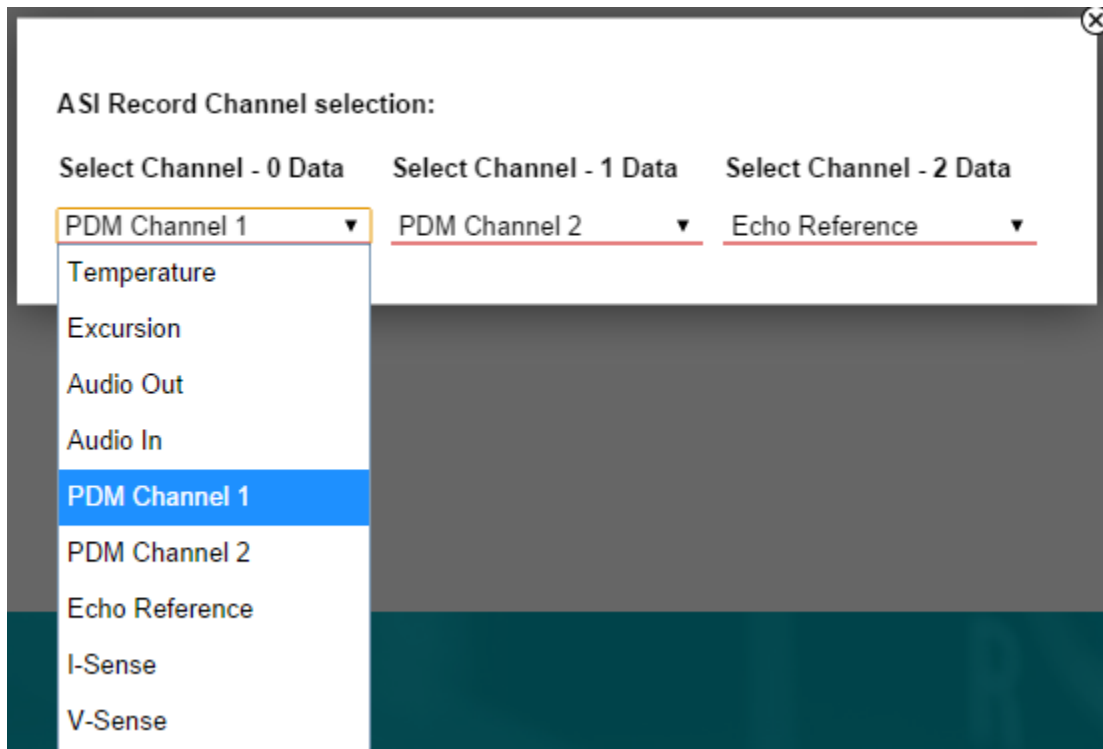
Software:

- PPC3 v3.3.0
- TAS2563QFN EVM v3.0.0

Hardware:

- TAS2X63EVM

End system integration OutMux options:



I2C commands for OutMux options:

Registers **0x34-0x37** are used for first data stream, **0x38-0x3b** used for second data stream and **0x3c-3f** used for third data stream.

There are 8 different output options, the same option can be used for different streams.

- 0 -> Estimated temperature
- 1 -> Estimated excursion
- 2 -> Audio Out
- 3 -> Audio In
- 4 -> PDM channel 1
- 5 -> PDM channel 2
- 6 -> Echo reference
- 7 -> I-Sense
- 8 -> V-Sense

Example to output PDM channel 1 on first data stream, and Echo reference on second data stream

```
w 98 7f 00
```

```
w 98 00 09
```

```
w 98 34 00 00 00 04
```

```
w 98 38 00 00 00 06
```

SDOUT slot selection:

OutMux selected data is allocated in SDOUT streaming using registers TDM_CFG5 (0x0b) TDM_CFG6 (0x0c) and TDM_CFG7 (0x0d).