Pulsewidth Generator
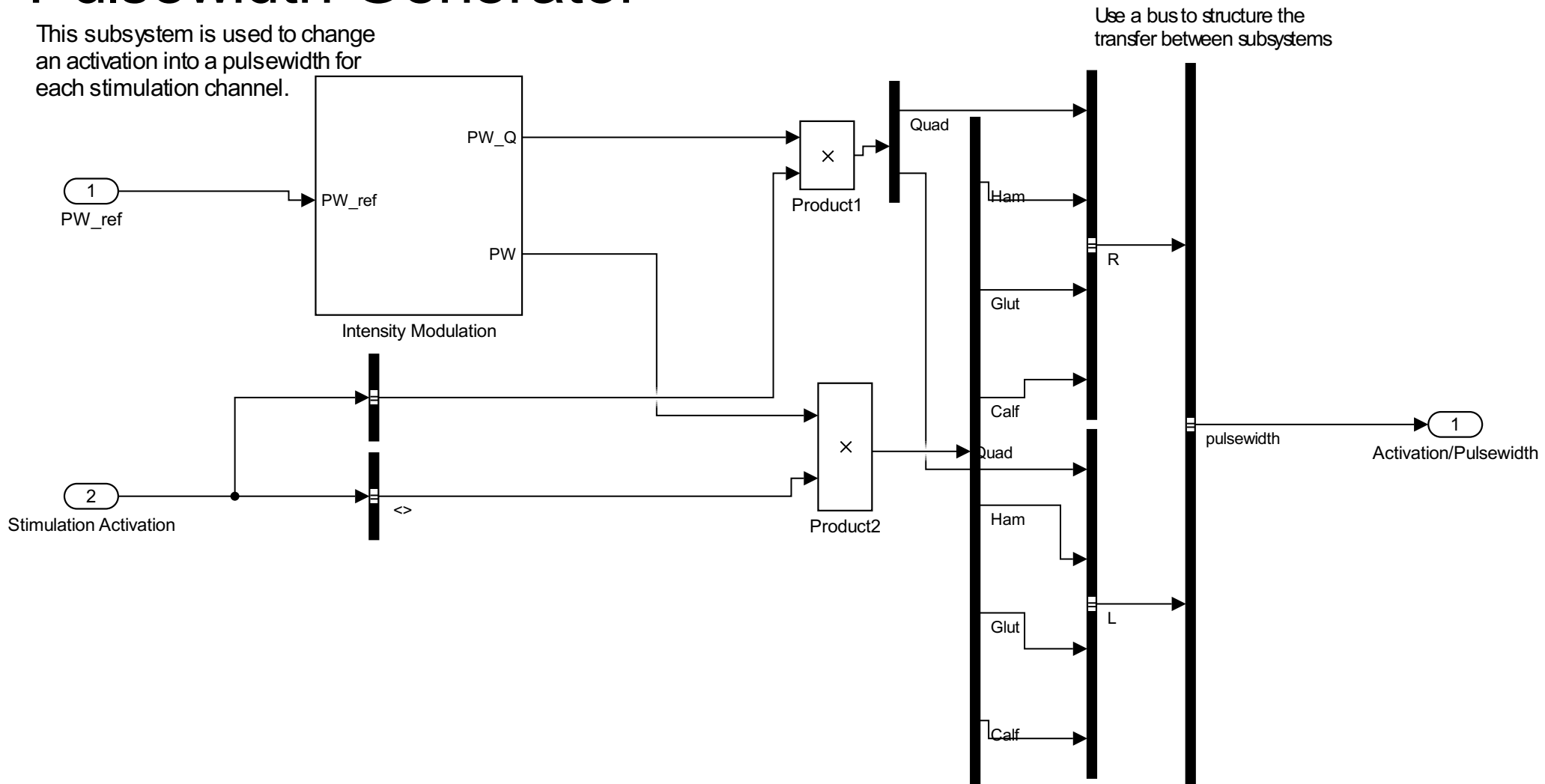
This subsystem is used to change
an activation into a pulsewidth for
each stimulation channel.

Use a bus to structure the
transfer between subsystems

PW_Q

PW_ref

Intensity Modulation

PW

1
PW_ref

Product1

Quad

Ham

Glut

Calf

Quad

Ham

Glut

Calf

R

L

pulsewidth

1
Activation/Pulsewidth

×

×

Product2

2
Stimulation Activation

<>

Note: the following multiplication
block should work with a bus input
from the stimulation activation.
However the bus needs to be
re-constructed after. Thus to
avoid modelling errors the bus is
de-constructed first anyway.

The pulsewidth for each
mucle group is then
multiplied to the stimulation
activation value which
should only be either 1 or 0.