

Muting Audio

Not Tactile



CCC Call Centre

“Hello, CCC Customer Support, how may I help”

“There is a horrible beeping noise from the traffic lights, all night, every night, which keeps me awake. If it doesn’t get fixed, I’ll smash it”.

“Thank you Sir, I’ll pass your concerns onto the signals team”.

CCC Signals Room

“Yonny, we have another CSR about AT’s keeping someone awake at night”

“Humm, better raise a dispatch for TCS to mute the audio there too”.

CCC Call Centre

“Hello, CCC Customer Support, how may I help”

“I’m a visually impaired person, and I can’t hear the beeps at these traffic lights. It only seems to be broken at night”.

“Thank you Sir, I’ll pass your request onto the signals team”.

CCC Signals Room

“Yonny, we have a CSR from a blind person who can’t hear the AT’s at that site we muted last week. He said they’re only broken at night”

“Uh-oh.....”

RTS 14

RTS 14 – Guidelines for facilities for blind and vision impaired pedestrians

3rd Edition - May 2015

Road and Traffic Standard Series



First, the first step in the process of prioritising road should involve consultation with an Orientation and Mobility Instructor at the Blind Foundation. Contact the Blind Foundation on 0800 24 33 33 or e-mail GeneralEnquiries@blindfoundation.org.nz

2.3 Audible Tactile Traffic Signals (ATTS)

ATTS shall be installed at all new or upgraded signalised intersections wherever traffic signals include pedestrian signals.

The upgrade of pedestrian signals to fully compliant ATTS systems should be prioritised after considering the following factors:

- **Road Crossing Distance:** Wide streets are more difficult and dangerous for pedestrians to cross because they are exposed to traffic for a longer period of time.
- **Pedestrian Accident History:** Generally speaking, if there have been any pedestrians involved in

We have generally three types of AT drivers in Christchurch.

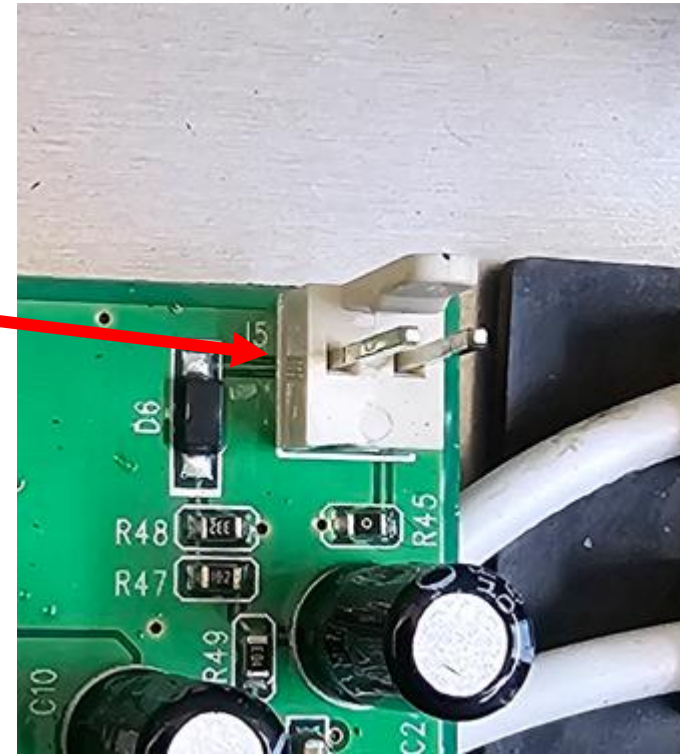
Mostly OrangeTek, ranging up to about 10 years old (CBD rebuild projects),

Some Braums, mostly from about last 4 years,

A smattering of Aldridge (Traffic) Technologies.

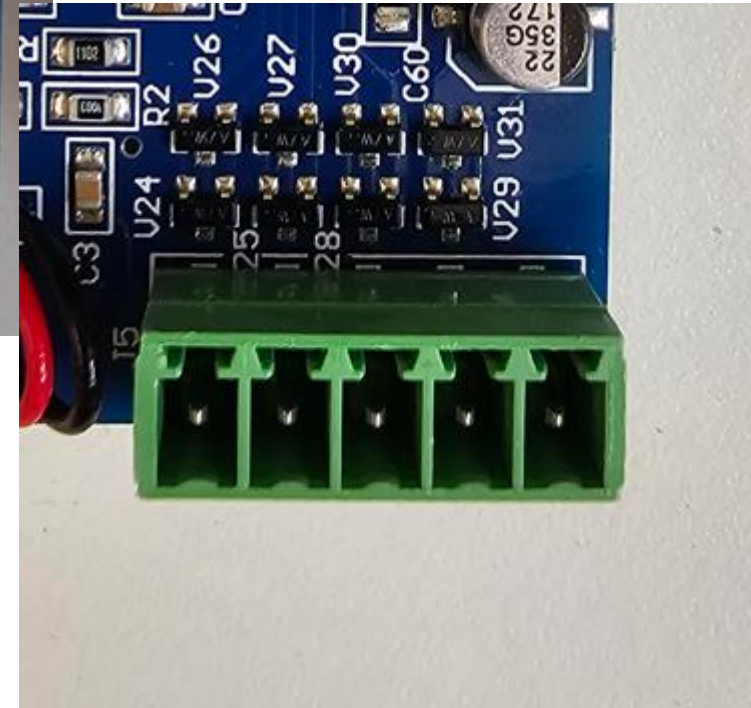
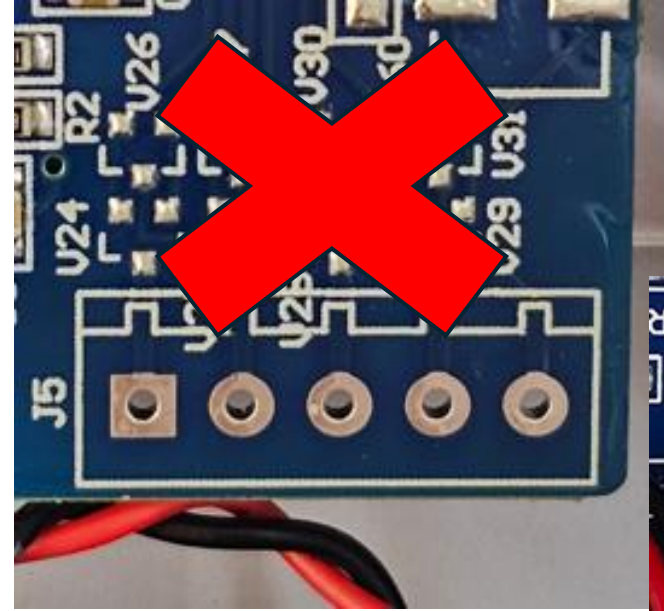
These each have different ways of providing audio muting.

OrangeTek



9 volts (ac or dc)

Braums



24 ~ 32 volts (ac or dc)

Aldridge (Traffic Technologies)

No audio muting capability

How do they sound?

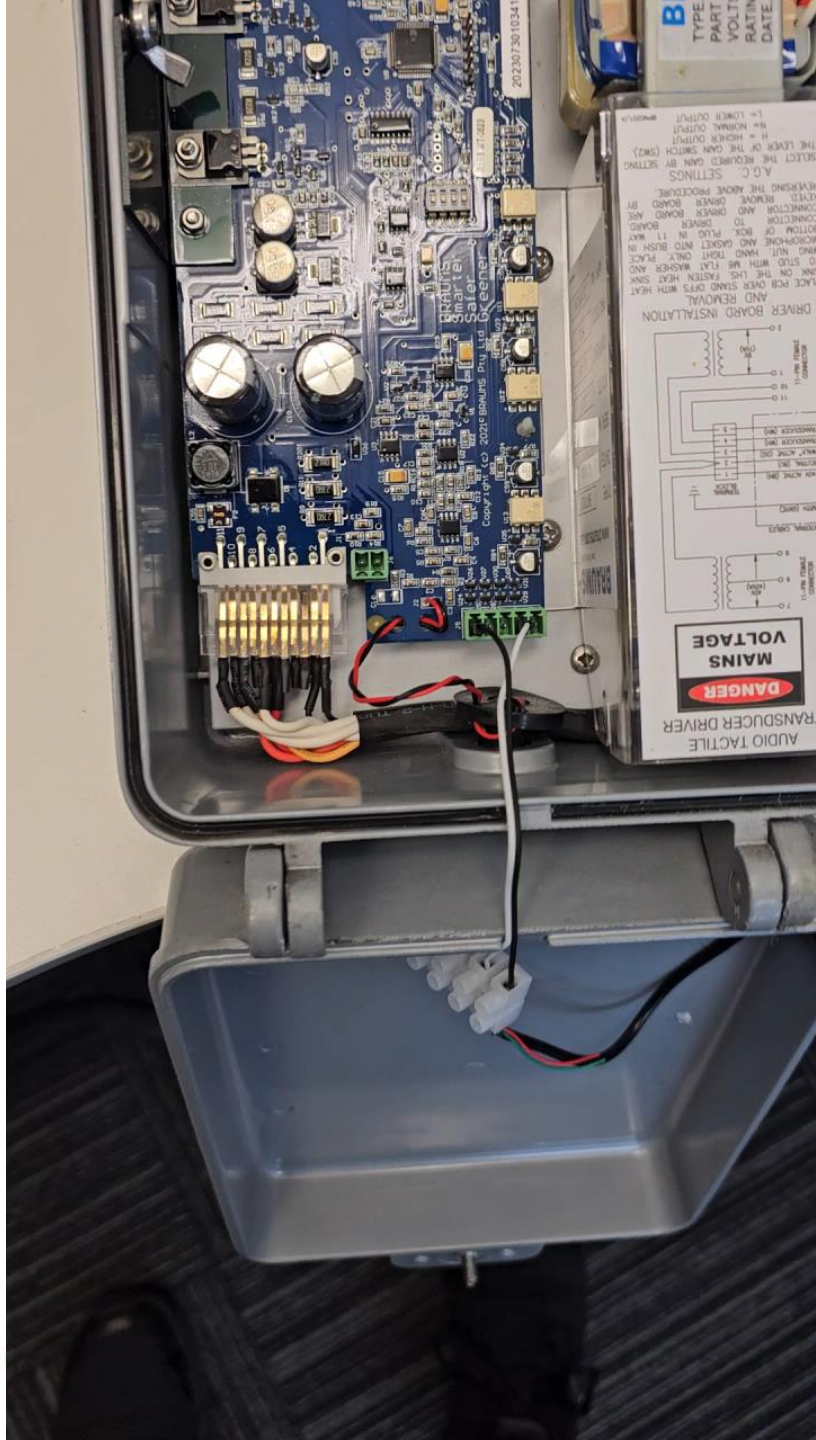
OrangeTek



How do they sound?

Braums – Option 1
Pin 1 & 5





How do they sound?

Braums – Option 2

Pin 1 & 4



Wellington Muting

I found out yesterday that Downer also have a “Wellington Special” for audio muting.
For more info, hunt down John Wilkinson.

Next Steps

My next steps for Christchurch is to demo these options to the Blind & Low Vision Society.

After this, I'll write up a recommendations document with information on how to swap out the PCB's, fit the muting transformer to existing OrangeTek units, and create some wiring diagrams for installation.

These will be the property of Jann's team at CCC, but I expect he will be happy to share them.