

## SUBTERRAIN PRO™ Series - ST-10PRO | ST-12PRO

TruAudio's NEW Subterrain outdoor subwoofers have just revolutionize the outdoor subwoofer market. With it's new long throw driver pushing out over 100 decibels of earth shaking bass and a footprint up to 40% smaller, these subwoofers can go almost anywhere.

The ST-10PRO comes in a 4Ω configuration and the ST-12PRO comes in both 4Ω & 70v configuration, making it as versatile as it is powerful.

### Box Contents

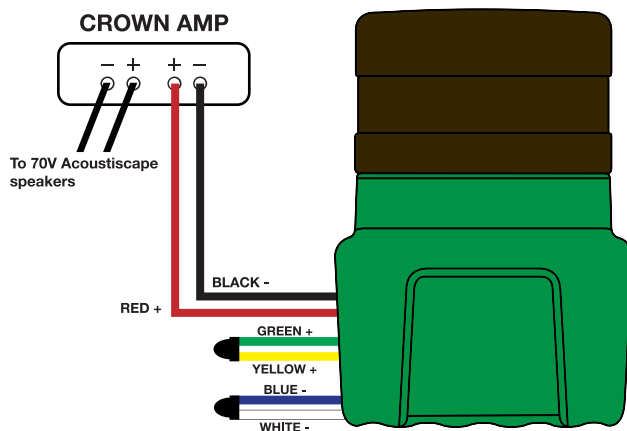
- Subwoofer enclosure
- Subwoofer weather cover
- Removable cap and grill
- Silicone filled wire nuts

### Wiring

#### ST-12PRO

##### Powering the ST-12PRO in 70v - (Standard Mode)

Connect the red wire (70v+) and the black wire (70v-) to the 70v amplifier.



##### Powering the ST-12PRO in 4Ω

Connect the yellow wire (4Ω+ positive input) and the blue wire (4Ω - negative input) to the 4Ω amplifier.

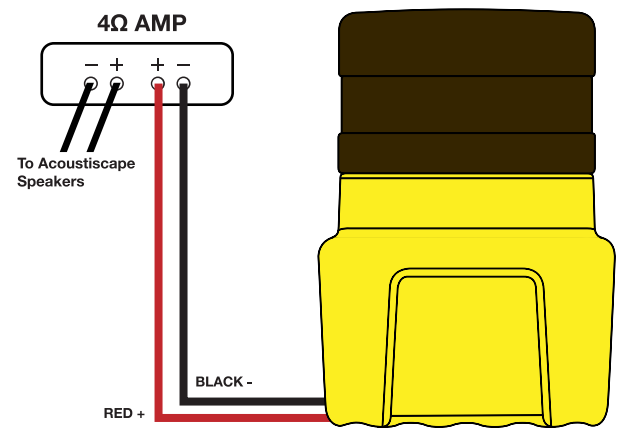
**SPECIAL NOTE:** Make sure your subwoofer amplifier can handle a 4Ω load and has a maximum wattage output of no more than 200 watts.

TruAudio recommends running the ST-12PRO in 70v with a Crown amplifier using a custom DSP designed by TruAudio for maximum performance.

#### ST-10PRO

##### Powering the ST-10PRO in 4Ω

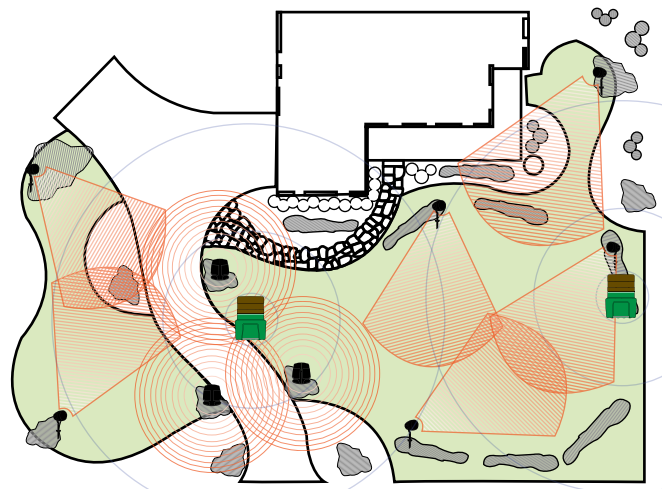
Connect the red wire (+) and the black wire (-) to the 4Ω amplifier.



## Subwoofer Placement

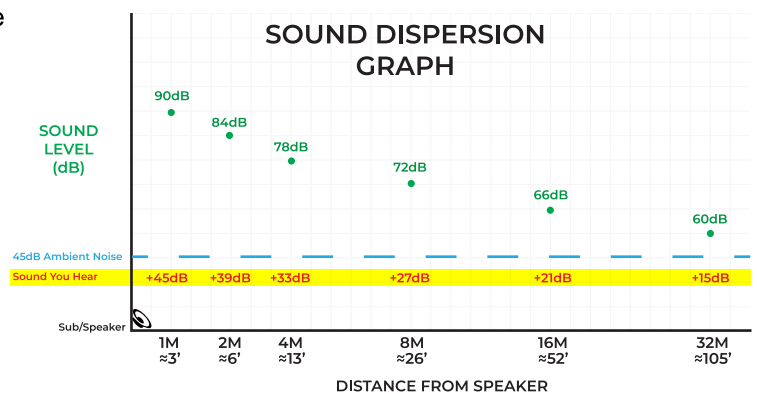
When it comes to bass, usually the closer the subwoofer is to the listening position, the better. Best practices for placing an outdoor subwoofer are:

- Placing the subwoofer no further than 25' from the listening position.
- By placing it against a wall, you can reflect more of the sound back to the listening area.
- By adding additional subwoofers, you can increase the overall sound output into any outdoor space.



There are three obstacles we have to deal with to provide good outdoor sound.

1. There are not as many reflective surfaces.
  - Reflective surfaces help amplify or reflect the sound back to the listening area.
2. Background noise
  - Background noise levels in a quiet residential neighborhood can range from 45dB to 60+dB
3. Inverse Square Law
  - When the distance double between the speaker and listener, there will be a 6dB loss in volume

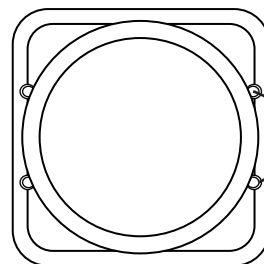
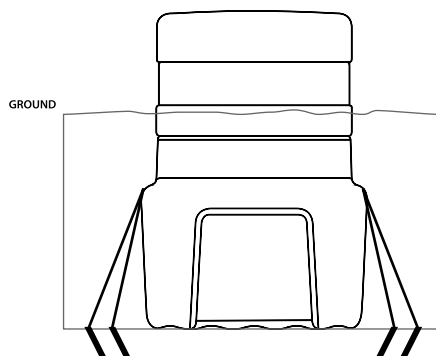


[Subwoofer Output - Ambient Noise = Sound We Hear]

## Burying the Subwoofer with Ground Stakes

We recommend digging the hole large enough to drive the stakes into the ground below the ST-10PRO and ST-12PRO.

NOTE: If you are installing the SubTerrain in wet terrain, we highly recommend using ground stakes (not included) to help prevent the subwoofer from floating.

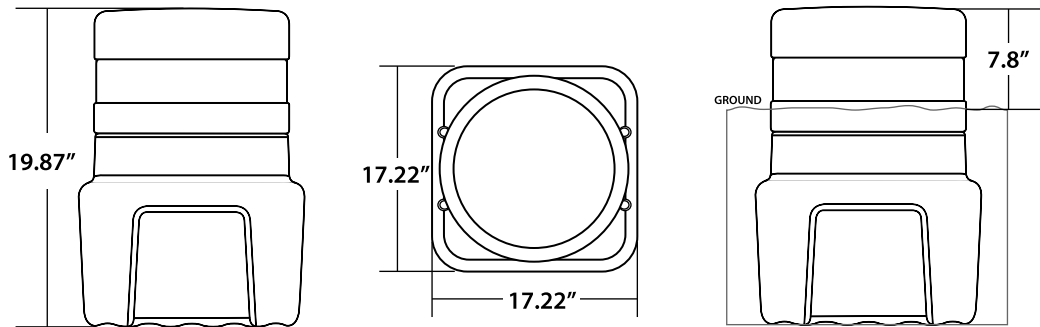


4 Tie down holes for use with ground stakes (not included)

**Specifications:**

**ST-12PRO**

Type:	Underground subwoofer
Woofers:	12"
Power:	400W
Impedance:	70v or 4Ω
70v Taps:	200W
Freq. Response:	30Hz-120Hz
Sensitivity:	89dB
Max SPL:	110dB @ 70v



**ST-10PRO**

Type:	Underground subwoofer
Woofers:	10"
Power:	250W
Impedance:	4Ω
70v Taps:	N/A
Freq. Response:	38Hz-120Hz
Sensitivity:	88dB
Max SPL:	101dB

