

OPERATIONS GUIDE

Operation of the Solar Post Button could not be simpler...

1. **Push** button 1 to hear audio track 1.
2. **Push** button 2 to hear audio track 2.

First time Set Up

The Solar Post should be in 'Transit Mode' when it arrives, pressing a button should activate a blinking red light within the grill.

To get out of Transit mode simply place your Settings Dongle in the correct slots (see below) and press a button. You will then activate a greeting message and can begin to use your Solar Audio Post. See the 'Programming' section for instructions on how to upload your audio.

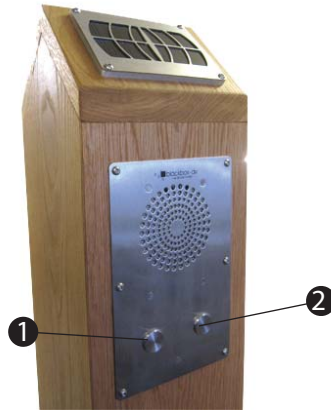
Configuring Your Solar Post

There are various configuration options for your Solar Post, to access these settings ensure no messages are playing then insert the Settings Dongle (supplied) into the required holes (see diagram to the right).

Now press a button and wait approximately 2 seconds for the Solar Post to take you through the settings options.

Follow the instructions and remove the dongle when you hear the function you require. The functions are listed in the following order;

1. Adjust audio settings
2. Night time configuration
3. Timer configuration
4. Playback Statistics
5. Erase Statistics
6. Battery and solar test
7. Put unit into transit mode



Adjust Volume

Remove the dongle at the Adjust Audio Settings option, then replace the dongle when instructed.

The solar post will now go through volume levels 1-10, when you get to the desired level remove the dongle and this level will be stored.

Night Time Configuration (auto power off)

This setting allows you to configure the Solar Post to power off at a certain level of light i.e you can have it power off at night time.

Remove the dongle at the Night Time Configuration option, then replace the dongle when instructed. The Solar post will now go through two options, either disable night time mode (standard) or store the current light level.

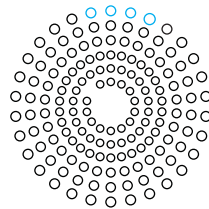
If you remove the dongle and 'store the current light level' the Solar Post will measure the current light levels and power off when that level is reached each day. We advise you only do this at night to ensure the Solar Post does not simply power off during low light conditions.

Note: The Solar Post will still allow access to the configuration settings with the use of a dongle, when powered down.

Timer Configuration (message delay)

This setting is mainly for use with the PIR Solar Post, however can also be used for the Button version. It dictates how long between the activation of a message the Post waits to activate the message again.

Remove the dongle at the Timer Configuration option, then replace the dongle when instructed. The Solar post will now go through timer options, first minutes from 0 - 5 in increments of 1 minute then seconds from 0 - 55 in increments of 5 seconds. You will be told what settings you have chosen once finished.



Playback Statistics

This setting allows you to access the playback statistics for your Solar Post, remove the dongle at the Playback Statistics option then replace the dongle when instructed. It will list a number of statistics in the following order;

1. Total messages played for this period
(is reset in the Erase Statistics Option)
2. Total messages played for Track 1
(is reset in the Erase Statistics Option)
3. Total messages played for Track 2
(is reset in the Erase Statistics Option)
4. Total messages played
(this statistic can not be erased)

Each statistic is given in 6 digits, i.e if Track 1 has been played 25 times, the Post will say Zero Zero Zero Zero Two Five.

Removing the dongle while these statistics are being listed will not affect them in any way.

Erase Statistics

This setting allows you to erase the playback statistics for;

1. Total messages played for this period
2. Total messages played for Track 1
3. Total messages played for Track 2

Remove the dongle at the Erase Statistics option, then replace the dongle when instructed.

You will then be warned that the statistics are about to be reset, to cancel this remove the dongle before the 5 beeps end.

Battery and Solar Test

This setting allows you to perform a battery and solar test for your Solar Post, remove the dongle at the Battery and Solar Test option, then replace the dongle when instructed.

You will then be informed of your battery level in Volts, and whether or not there is a charge from the Solar Panels.

This option is mainly used as a diagnostic tool.

Put Unit Into Transit Mode

This setting is used when the Solar Post is in transit and effectively shuts it down for travel. Remove the dongle at the Transit Mode option then replace the dongle when instructed.

When in transit mode messages will not be activated, if a button is pushed you will just see a blinking red light inside the speaker.

To exit transit mode simply insert the Settings Dongle and press a button, you will then be greeted by a message that only plays when exiting transit mode.

Programming the Solar Audio Post couldn't be easier. You will need 3 things;

1. Two audio files (mp3 format)
2. The Programming Dongle (not Settings Dongle)
3. A USB stick

Please note: Use a USB stick less than 1GB in size if possible, if you have issues uploading your files please first retry with a different USB stick.

Step 1

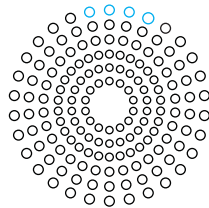
Place your audio files on a USB stick, title them 'Track 1' and 'Track 2'. Transfer your files one file at a time, the first file you transfer will play on button 1, the second file you transfer will play on button 2. Or for PIR activated posts this determines which message is played first.

Step 2

Insert the USB stick with Track 1 and Track 2 uploaded into the Programming Dongle, then ensure no messages are playing on the Solar Post and insert the dongle into the grill slot (see diagram right).

Step 3

Press a button (or activate PIR) and wait several seconds.



The Solar Post will tell you it is transferring your files and ask you to wait until it's finished. This could take a number of minutes depending upon the size and length of files you are transferring.

When finished the Solar Post will inform you and ask you to remove the Dongle.

The Solar Post is now ready to use with the updated messages. Test each message just to be sure, and enjoy!

Battery

Each audio solar post uses 4 rechargeable AA 2900mAH nickel metal hydride batteries which need to be replaced approximately every 2 years.

Tools

T20H Torque Bit (security bit)
Cross Head Screwdriver
5.5mm Spanner

Procedure

1. Unscrew the 6 security screws from the front panel using the T20H pin torque screwdriver.
2. Pull the front panel forward **slowly**; do not exceed the solar cable.
3. Unplug the solar cable and remove the solar electronics from the post
4. You will need to open the electronics box by removing the 6 cross head screws and nuts.
5. Locate the black battery box inside and remove the small cross head screw from the back.
6. Slide the box cover open.
7. Replace the old batteries with the new. Its a good idea to push a button to ensure the batteries are connected and the audio player is working.
8. Replace cover and screw to secure the battery box.
9. Replace the 6 cross head screws and nuts to seal the electronics.
10. Re-connect the solar panel cable.
11. Replace the 6 screws to secure the front panel in place.
12. Test by pressing a button. We advise checking after replacing batteries that charge is being received by the electronics (you will need a sunny day for this)

At the end of each message a red light located in the lower half of the grill will blink if the electronics are receiving charge.

Cleaning

We advise cleaning the solar posts and panels annually. Mild soap and water is best for general cleaning. Rinse with clean water after washing. All surfaces should be cleaned using a soft cloth or sponge, using nothing harsher than natural bristle brushes; do not scour painted surfaces.

SPECIFICATIONS

Messages

Message storage medium:	64MByte Flash Memory (on board)
Maximum number of messages:	2 files.
Message encoding format:	Mp3
Maximum total message length:	>24 minutes

Message selection via 2 buttons

Please note: Programmers are not provided as standard with the solar post but are available at additional cost.

Message Output

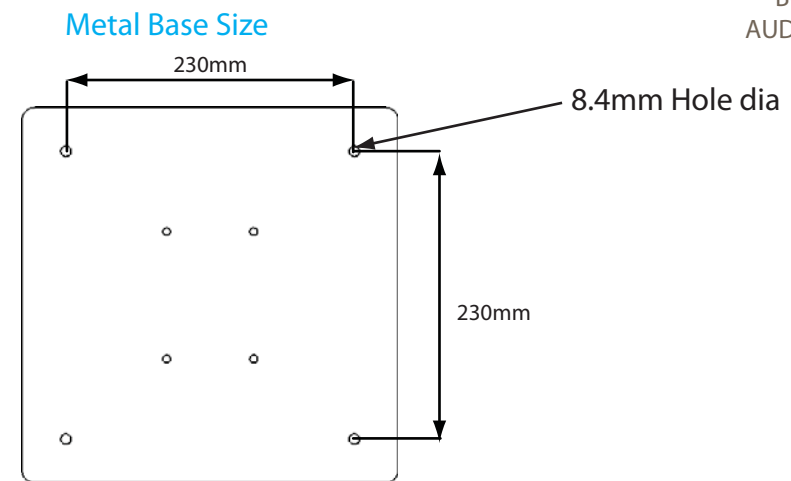
Playback sample:	Mono
Audio output:	0.75W into 8ohm speaker
Freq. range:	75Hz-20kHz

Power

4 built in Solar Panels charging 4 1.2V long life batteries at up to 100mA per hour.
4 x 2900mAh long life batteries.

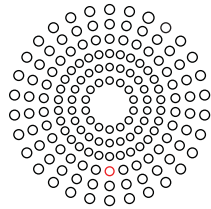
Weight

Tall metal boxed 10KG
Tall oak 60kg



How can you tell if your solar post is charging?

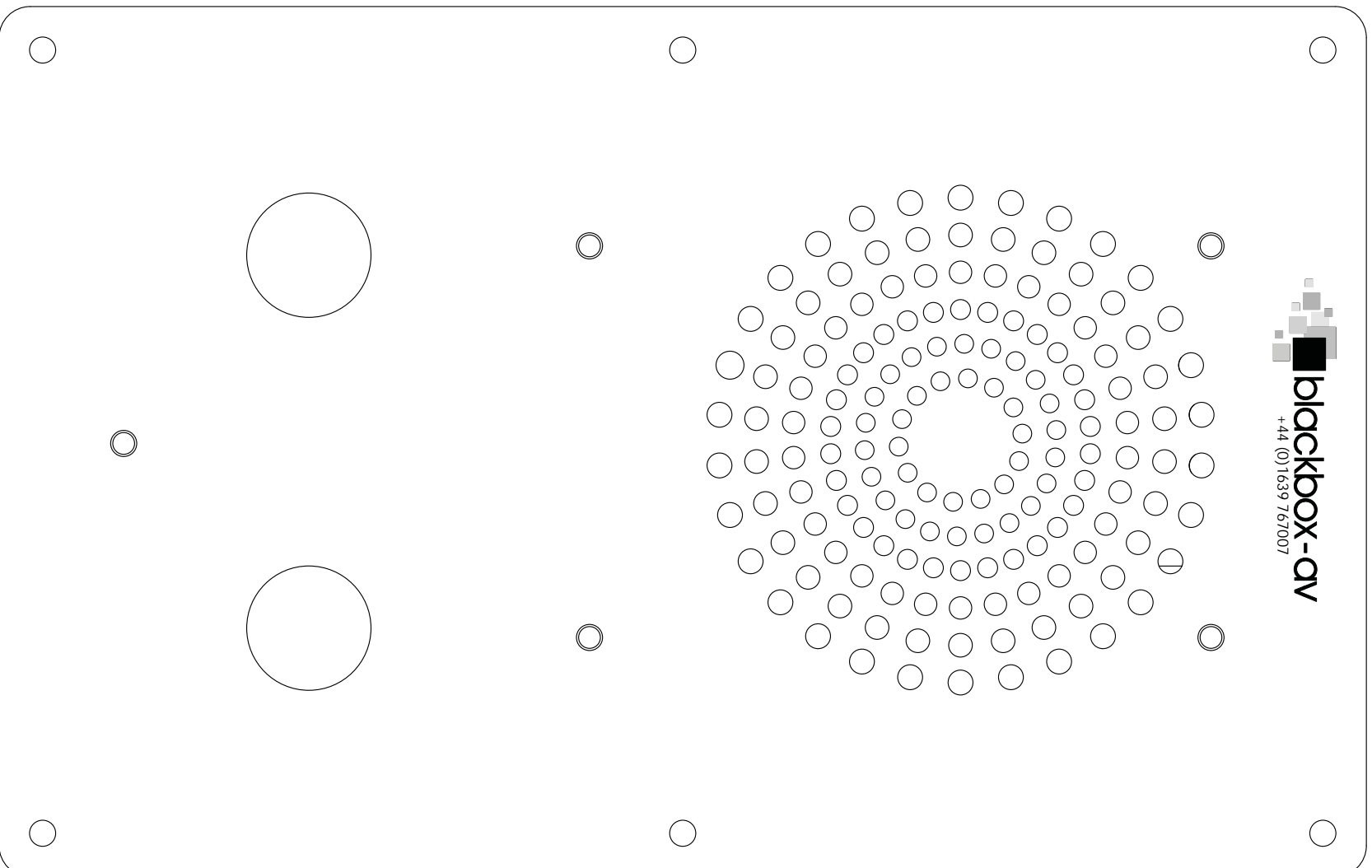
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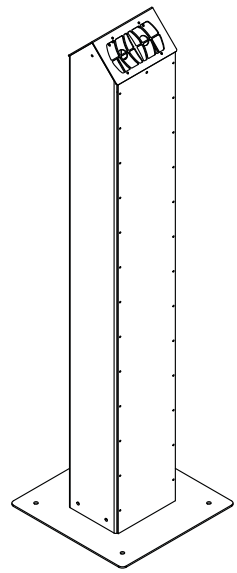
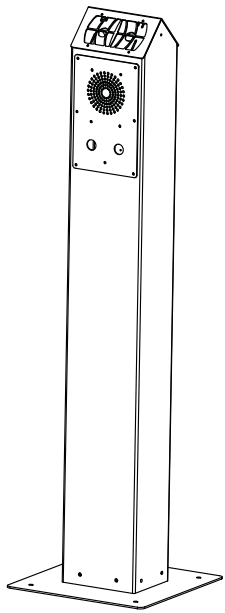
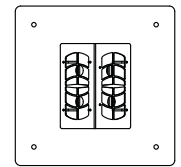
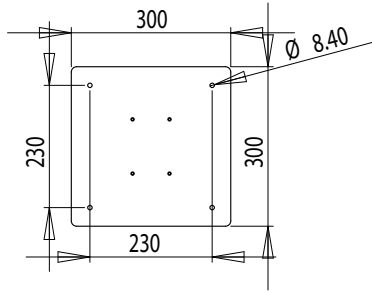
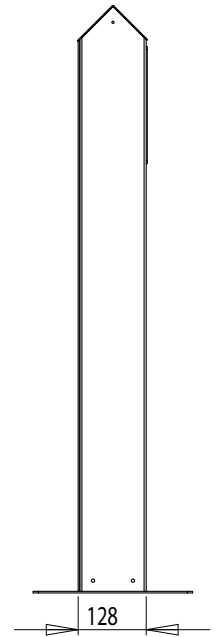
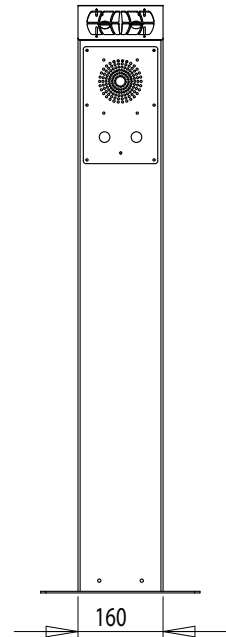
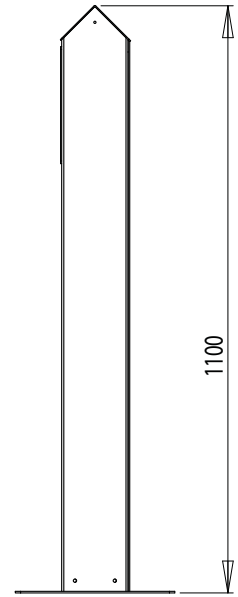
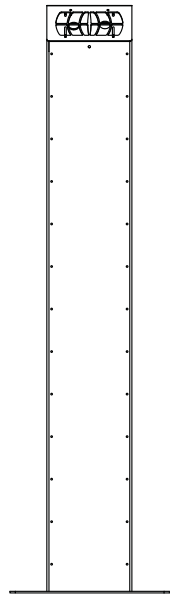


Wall Mounting a Short Solar Post Button (only metal post)

1. Remove the 6 security screws from the stainless steel front plate and take out the electronics. Disconnect the electronics by pulling the black connector apart - this disconnects the solar panels.
2. Offer the black solar post case up to the wall where it is to be mounted and mark through the rear plate the four fixing holes.
3. Screw through the solar post rear plate attaching the solar post to the wall.
4. Reconnect the solar panels by clicking the black connector back together and screwing the solar post front plate back onto the case via the 6 security screws.

SOLAR POST BUTTON FRONT PLATE

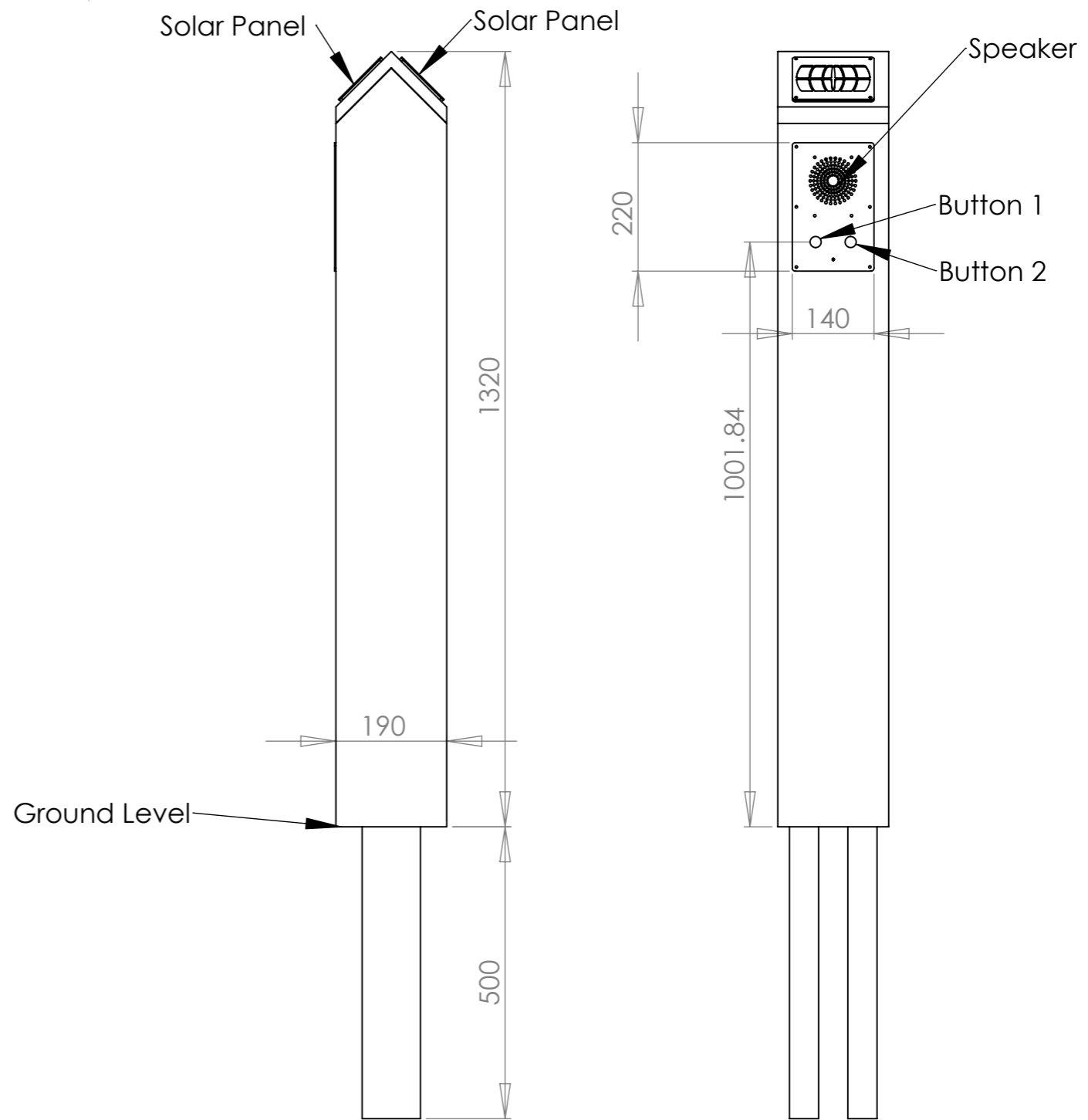
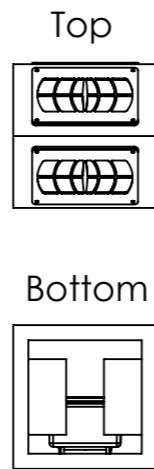
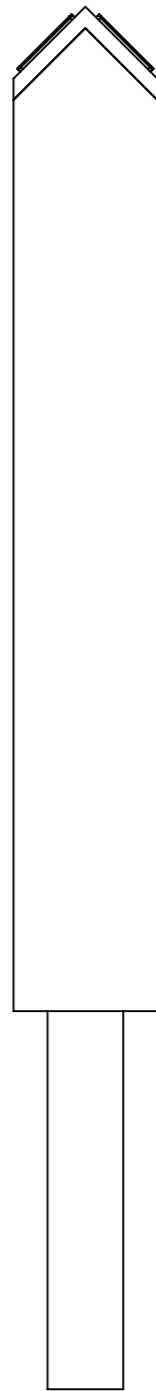
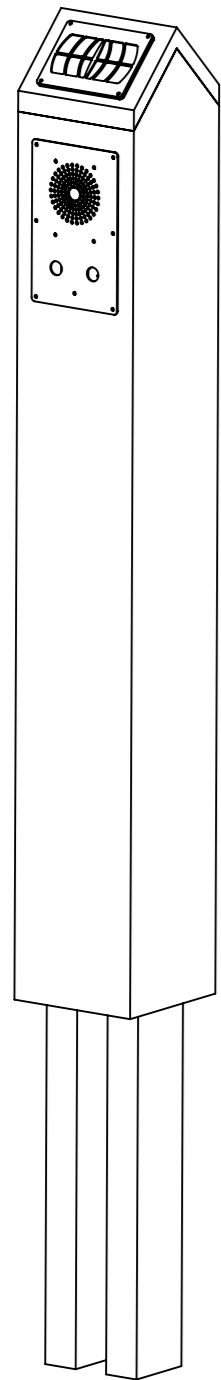




TALL METAL

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS		FINISH: Powder coated Black		DERUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		Drawing Number	
SURFACE FINISH:						blackbox-av.co.uk		01639 767 007	
TOLERANCES:						TITLE:			
LINEAR:						Solar Post Button Tall Metal			
ANGULAR:									
DRAWN	NAME	SIGNATURE	DATE						
CHKD	David Knight	DK	28/09/10						
APP'D	Chris Crayford	CDC	28/09/10						
MFG									
QA									
				MATERIAL:		DWG NO.			
				Aluminium 2mm		SPB-Tall-metal-4/10/11-v1		A3	
				WEIGHT:		SCALE:1:10		SHEET 1 OF 1	
								V1	

TALL OAK



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS				FINISH: Stained		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		Drawing Number			
SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:								blackbox-av.co.uk		01639 767 007			
DRAWN David Knight DK 1/1/13								TITLE:					
CHK'D Chris Crayford CDC 1/1/13								Solar Post Button Tall Oak					
APPV'D													
MFG													
Q.A								MATERIAL: Oak		DWG NO. SPB-Assem-01-01-13		A3 V1	
								WEIGHT:		SCALE:1:10		SHEET 1 OF 1	