

# Plug and Play Solutions

## Feonic DIY Kits

The Feonic E-series range of wide bandwidth (WB) audio drive kits are a budget friendly sound solution for a wide variety of applications from small shop windows\*, audio description for visually impaired, kiosks, POS, digital signage, museum and gallery exhibits, displays, bathrooms, integration within furniture, offices and schools, mirrors, hotels, home audio, discrete sound systems for secure facilities, clean rooms, sound masking to sound reinforcement.

The Feonic audio drives can be attached to any rigid hollow sounding surface transforming it into a speaker by vibrating the surface. No speaker grilles are required. They can be attached to windows and other polished surfaces using the supplied very strong double sided adhesive pad. For surfaces such as wooden panels, plasterboard and other textured surfaces the audio drive can be mounted together with the adhesive pad and screws. As sound is created on both sides of the surface the audio drives are often mounted on the inside so the devices cannot be tampered with or visible. The audio drives can also be attached behind window vinyl graphics making them discreet and unobtrusive in your window display.

The kits are a complete boxed solution with a number of options:

### 1 x E30WB audio drive + 15W Bluetooth stereo amplifier

Basic kit with Bluetooth, headphone or optical audio input. The Bluetooth can be turned off. The power supply is also built in. Suitable for applications where local sound is required.

### 2 x E30WB audio drive + 15W Bluetooth stereo amplifier

Kit with Bluetooth, headphone or optical audio input. The Bluetooth can be turned off for use in spaces like museums and galleries. The power supply is also built in. Suitable for applications where wider coverage and/or stereo sound is required.

### 1 x E30WB audio drive + 30W Bluetooth stereo amplifier

Higher power kit for higher output with Bluetooth, headphone or optical audio input. The Bluetooth can be turned off for use in spaces like museums and galleries. The power supply is also built in. Suitable for applications such as small windows and in store audio.

### 2 x E30WB audio drive + 30W Bluetooth stereo amplifier

Higher power kit for higher output with Bluetooth, headphone or optical audio input. The Bluetooth can be turned off for use in spaces like museums and galleries. The power supply is also built in. Suitable for applications where wider coverage and/or stereo sound is required such as small windows and in store audio, bathroom sound system, furniture, etc.

### 2 x E30WB + 20W stereo amplifier with tone controls

Higher power kit for higher output with headphone or line level audio input. The amplifier has tone controls to fine tune the sound output perfect for museums and galleries and POS. Suitable for applications where wider coverage and/or stereo sound is required such as small windows and in store audio, furniture, etc.

### 1 or 2 x E30WB audio drive with Industrial MP3 player and motion or touch sensor

This compact kit is great for instore or museum/gallery exhibits where discrete sound is required and for applications such as audio description for visually impaired. It can be setup to play in a loop or with motion or touch activation. For higher power output it can be paired with the 20W or 30W amplifier.



## Key benefits

- Simple DIY Installation no speaker grilles
- Great way to attract attention to displays
- Can be used on a wide variety of hollow sounding surfaces
- Discrete setup no visible speaker
- Motion or touch activation options
- Multiple kits can be used to increase coverage area
- Protected from environment if mounted in a sheltered position or inside surface

## Technical Specification

### E30WB Audio Drive

<b>Impedance:</b>	4 Ohms
<b>Typical frequency range:</b>	100Hz – 20,000Hz (material and panel size dependent)
<b>Max power rating:</b>	30W
<b>Operating temperature range:</b>	-20°C to +60°C (-68°F to 140°F)
<b>Weight:</b>	c185g
<b>Dimensions:</b>	59mm (W)/78mm with mounting lugs x 76mm (L) x 29mm (H)
<b>Mounting method:</b>	3M VHB adhesive or screw mounting
<b>Cable length:</b>	2m/6.5ft (can be extended)
<b>Environmental protection:</b>	IP54 (splash proof mounted vertically with cable outlet facing downwards)

\*For larger windows we recommend the use of the original F1PRO audio drive Whispering Window solution – please refer to [www.feonic.com](http://www.feonic.com)

To download specifications visit [www.feonic.com/downloads](http://www.feonic.com/downloads) or scan the QR code using your mobile device



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## Technical Specification



### 15/30W Stereo Bluetooth Amplifier

<b>Power:</b>	2 x 15W/30W Class D output
<b>Controls:</b>	Master volume control Bluetooth on-off
<b>Bluetooth version:</b>	4.0
<b>Minimum Impedance:</b>	4Ω
<b>Inputs:</b>	Bluetooth/3.5mm stereo aux/ digital optical
<b>Line output:</b>	3.5mm stereo
<b>Frequency Response:</b>	50Hz-18kHz +/- 2dB
<b>Power Requirement:</b>	Built in power supply 100-240VAC 50/60Hz (fig. 8)
<b>Dimensions:</b>	122mm x 89mm x 33mm
<b>Weight:</b>	150g

### 20W Stereo Amplifier

<b>Power:</b>	2 x 20W Class D output
<b>Controls:</b>	Bass/Treble/L-R Volume
<b>Minimum Impedance:</b>	4Ω
<b>Inputs:</b>	RCA/phono and balanced
<b>Frequency Response:</b>	50Hz-18kHz +/- 2dB
<b>Power Requirement:</b>	24VDC 3A (Power supply included 100-240VAC 50/60Hz)
<b>Dimensions:</b>	230.5mm x 143mm x 57mm Including connectors and mount flange
<b>Weight:</b>	920g



### MP3 Player with touch or motion sensor

<b>Power:</b>	2 x 10W speaker output*
<b>Controls:</b>	Master volume control
<b>Minimum Impedance:</b>	4Ω
<b>Storage medium:</b>	SD Card or USB Stick
<b>Inputs:</b>	2 x sensors (PIR or touch available)
<b>Output:</b>	2 x 3.5mm stereo & speaker screw terminal 12V Out
<b>Power Requirement:</b>	12DC 2A power supply 100-240VAC 50/60Hz
<b>Dimensions:</b>	130mm x 155mm x 28mm
<b>Weight:</b>	400g

\*TO INCREASE VOLUME LEVEL, CAN ALSO  
BE USED WITH AMPLIFIERS SHOWN ABOVE