

specifications:

frontrow™ tempo

wireless FM soundfield system

description

Wireless FM soundfield system designed to clarify the teacher's voice for all students.

application & benefits

For use in large teaching spaces and small halls.

- Fosters a successful learning environment
- Increases student attentiveness, participation, comprehension and academic results
- Significantly reduces behaviour referrals
- Helps non-native students and students with hearing impairments
- Reduces teacher absenteeism due to vocal fatigue

key features

- Full, natural, clear sound quality
- Exclusive OptiVoice™ speech clarity
- Multiple channels
- High-performance speakers
- Transmitter mute
- Three-band equalizer
- One-plug, fail-safe charging
- Simple, clean user controls
- Aux-in and aux-out capabilities
- Attractive compact design
- Strong interference rejection

transmitter options

- Teacher bodyworn transmitter with separate microphone

receiver

Base-station; multi channel

speakers

- Wall-mounted
- Ceiling-mounted

frequencies

169 to 176MHz

installation

Mounting and wiring of base station receiver and speakers



PC Werth
Advanced Sound Technologies



Exclusive UK distributor: P.C.Werth Ltd, Audiology House, 45 Nightingale Lane, London SW12 8SP

Tel: 020-8772 2700 • Fax: 020-8772 2701 • E-mail: sales@pcwerth.co.uk • Web: www.pcwerth.co.uk

base station receiver

one-plug charging

The transmitter charges directly off the receiver — only one power source needed

outstanding performance

Numerous audio refinements, including improved signal-to-noise ratio, and broader audio bandwidth, make this system a top performer



channel freedom

Just scroll to match the frequency of your transmitter. Works with your 365T, 300T, 571T and other 173MHz products

OptiVoice™ speech clarity

Don't just turn up the volume — shape your voice for improved intelligibility under low, medium, and high noise conditions

interference resistant

Improved filtering for strong adjacent channel rejection; higher front-end dynamic range for better intermodulation rejection

aux-in options

CD, VCR, TV, computer, or other audio

optimize the power

Ensures the best power distribution for optimal system performance

easier school-wide installations

Squelch lets you adjust the receiver sensitivity so you can install more systems closer together



total control

Recessed 3-band EQ lets sound professionals fine-tune the sound to fit the room

compatibility

Universal aux-out port with simple level adjustment lets you plug in any personal FM transmitter for rebroadcasting to hearing impaired students on other channels

specifications

Receiving frequency:	169-176MHz, synthesized (International)
Frequency stability:	±500Hz 0° to 50° C
Modulation:	FM narrow-band
AF frequency response:	20Hz - 20kHz, -3dB (Aux in) 70Hz - 10kHz, -3dB (FM in)
Power output:	14W into 8Ω/28W into 4Ω
Auxiliary input level:	300mV _{rms} (-10dBV) 6.3mm/0.25in stereo
Auxiliary output:	0-1V _{rms} adjustable via rear panel, RCA
Aux input impedance:	47kΩ
FM signal-to-noise:	>63dB, A weighted
THD:	< 3% @ 1kHz maximum output
Nominal deviation:	±5kHz
Maximum deviation:	±10kHz
Squelch:	RSSI-type
Squelch level:	adjustable via rear panel
Power supply:	20VDC @ 3A
Charge port:	5VDC, 200mA
User controls (front):	on/off FM volume Aux volume OptiVoice Channel up/down
Installer controls:	3-band equalizer squelch speaker configuration selector
Displays:	2 digit channel LED display and LED for "FM signal"
Dimensions (wxhxd):	21.9 x 5.4 x 20 cm/ 8.6 x 2.1 x 6.4 in
Weight:	1.11kg/2.45lb
Case:	steel, powder coat finish

speakers

wall speakers

(for optimal room sound coverage we strongly recommend four wall speakers)



- Full range for faithful reproduction of voice and music.
- Easy mounting and completely adjustable.

specifications



Speaker type:	Bass reflex; 4" woofer; 1" tweeter
Impedance:	8Ω nominal
Continuous power:	30 W
Peak power:	80 W
Frequency response:	65 Hz to 20 kHz (-10 dB)
Dimensions (wxhxd):	17 x 22.2 x 14 cm / 6.7 x 8.75 x 5.5 in
Weight:	1.75 kg/3.86 lbs
Mounting:	Wall mounting brackets provided
Speaker wire:	UL listed CL3P Plenum-rated
Color:	Available in white and black

ceiling speakers



- Full range for faithful reproduction of speech and music.
- Wide dispersion ensures even coverage
- Mounts flush with ceiling for neat installation.
- Paintable grille.

specifications



Speaker type:	4" full range
Impedance:	8Ω nominal
Continuous power:	18W
Sensitivity:	88dB SPL (1W, 1m)
Frequency response:	65 Hz to 18 kHz (-10 dB)
Dimensions (DIAxD):	15.5 x 11 cm / 6.1 x 4.4 in
Sound dispersion:	160 degrees conical (1-4kHz av).
Weight:	1kg/2.2 lbs

transmitter

channel freedom

Just scroll to match the frequency of your receiver.

ergonomic design

Sleek yet sturdy with easy-to-grip sides and a tenacious clip that won't slip

long-lasting power

AAA rechargeable NiMH batteries provide up to 9 hours of life between charges

smart 4-way light

Green indicator light glows for power on, blinks when mute is on, flashes red for low battery, and brightens to red to indicate the batteries are charging



multiple channels

For less interference so teacher and student get uninterrupted communication. Conveniently allows teachers to set different classrooms in close proximity to different channels on one transmitter.

input options

Auxiliary input jack lets you transmit audio from a second source, such as a TV, VCR, DVD or computer

quiet time

A convenient mute switch allows for private conversations



no worries

Fail-safe system prevents accidental charge of alkaline batteries while offering the convenience and savings of in-unit recharging

specifications

Transmitting frequency:	169-176MHz, synthesized (International)
Modulation:	FM narrow-band
Operating range:	up to 50m/160ft
User controls:	on/off push button mute switch channel up/down
Inputs/outputs:	3.5mm auxiliary input jack 2.5mm microphone input jack 1.3mm charge jack
Battery life:	12Hr (AAA alkaline)/ 9Hr (AAA NiMH, 750mA-h Cells)
Dimensions (w×h×d):	5.9 x 8.2 x 2.0 cm/2.3 x 3.3 x 0.8 in
Weight:	79.3g/2.8oz (with batteries)
Case:	ABS plastic, painted
Battery/power/charge LED/mute:	on: green continuous mute: green flashing low batt: red flashing - 1/2 hour to 1 hour life remaining charging: red continuous

173MHz channels & corresponding frequencies

United Kingdom

13	173.3500
15	173.4000
17	173.4500
21	173.5000
24	173.5500
25	173.6000
27	173.6500
29	173.7000
30	173.7500
32	173.8000
34	173.8500
35	173.9000
36	173.9500
37	174.0000
38	174.0500
40	174.1000
42	174.1500
44	174.2000
45	174.2500
47	174.3000
48	174.3500
50	174.4000
52	174.4500
53	174.5000
54	174.5500
55	174.6000
57	174.6500
59	174.7000
60	174.7500
62	174.8000
63	174.8500
65	174.9000
66	174.9500
67	175.0000
71	175.0500

total: 35

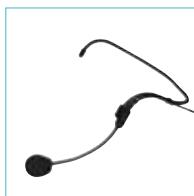
power adaptors



base station / receiver
PE 230R



transmitter
PE 340T



boom microphone
PE 655



365T universal wall charger
PE 534



power supply
AC cord:
PHE 921

speaker accessories

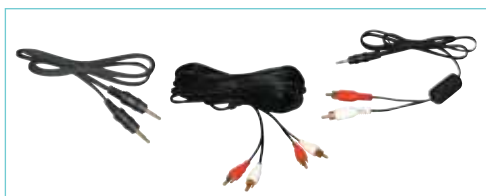


compact wall speaker; white
incl. bracket
PE 302W



ceiling speaker
PE 302C

connectors



Accessory pack
PE AUDIOKIT



charging cord
receiver-to-transmitter
1.3mm(M)-to-1.3mm(M)
PE 796

batteries



rechargeable NiMH
AAA batteries
(2 each)
B GR3NH

transmitter accessories



lavalier cord
(for wearing 365T around
the neck)
PE 076B