

# **GARWOOD PERSONAL MONITORING**



**GARWOOD**

**WIRELESS AND HARDWIRED SYSTEMS**

## SYSTEM 24 - WIRELESS



Garwood pioneered in-ear monitoring technology with the launch of the legendary Radio Station in 1989, opening a new world of sound clarity and creative possibilities for both musicians and audio engineers.

New solutions and new ideas are constantly under development, reflected in a growing range of personal monitoring systems.

The latest addition from Garwood is the APM Series of hard-wired monitors, which combines superb audio quality with exceptional simplicity of setup and use for multi-station applications.

Garwood also provides a range of earpieces to suit every situation, including standard models and personalised, custom fit earpieces for maximum comfort even during hours of continuous wearing.

Whatever your personal monitoring demands, Garwood has the right tool to suit you.

### SYSTEM 24

Produced in conjunction with many of the world's finest touring engineers and artists, System 24 is an extremely flexible PLL synthesized IEM system, offering 24 factory programmed frequencies for international or local touring conditions.

It implements the very latest receiver technology to provide greater dynamic range, improved signal-to-noise performance and superb reception characteristics.

The on-board limiter can be enabled or disabled to ensure safe listening levels. The receiver provides several mono or stereo configurations to suit a variety of applications.

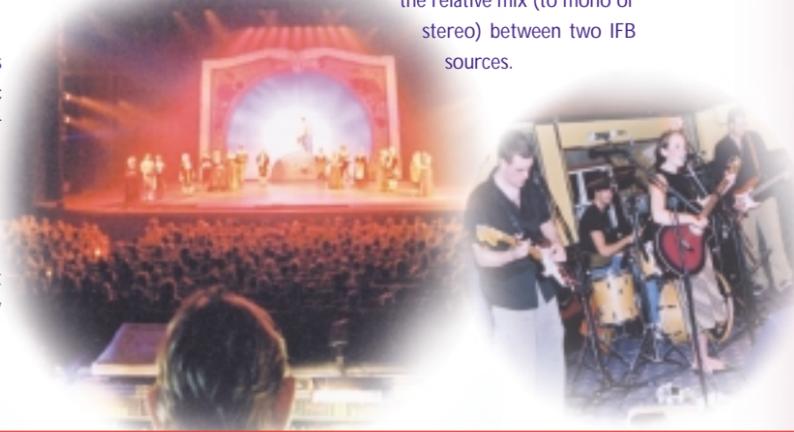
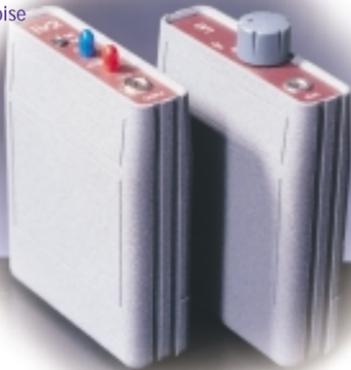
The System 24 package includes IEM II dedicated earpieces, 19in rack mount kit and antenna extension.

### SYSTEM 24 RECEIVER

The all-new System 24 beltpack receiver is a high sensitivity unit, with wide dynamic range, increased output level, crystal-clear sound and 24 operating frequencies on board.

There are several mono or stereo configurations for a variety of applications. Reception range is approximately 300 feet and a 9V battery will give up to 6 hours' operation.

Compact and unobtrusive, Garwood personal monitor systems are built to last



### COMPACT RECEIVERS

Designed specifically for discreet 'in-costume' use, the LV1 is a slimline ABS receiver weighing just 65g. Powered by a single AA cell, it will deliver outstanding stereo performance for up to four hours.

The LV2 miniature receiver is a dual frequency unit designed specifically for presenters. The independent level controls for Channels 1 and 2 enable adjustment of the relative mix (to mono or stereo) between two IFB sources.

## APM SERIES - HARD WIRED



### APM 12 HEADPHONE AMPLIFIER

The Garwood APM 12 dual headphone amplifier provides two musicians with high quality audio feeds for any type of headphone from the classic DT100 type to miniature Walkman-style headphones. Ideally suited to orchestras and choirs, it also provides simple and convenient distributed audio feeds for applications such as news conferences.

### APM 31 HEADPHONE AMPLIFIER

The Garwood APM 31 is a high quality triple input personal headphone amplifier which drives headphones or earpieces as part of a Garwood APM Series personal monitoring system.

It allows the headphone wearer to create a personal stereo or mono mix, typically balancing an overall orchestra / band mix with his or her own instrument and/or a click track via the auxiliary microphone and line level mix inputs.



### APM HARD WIRED SERIES

The Garwood APM Series is a simple and logical system of distributed personal monitoring for large-scale wired installations.

Using headphones, in-ear monitors or a mixture of both, the APM Series brings you the benefits of greatly simplified wiring, superb audio quality and individual mix balancing by the musician, along with freedom from both batteries and mains cables on stage.

APM monitoring is a fresh and practical approach to providing controlled monitor levels in a mixed audio environment, designed to benefit musicals, orchestra / band ensembles, news conferences and many other applications.

### APM 200/400 MAIN STATIONS

Unlike other hardwired monitor systems, the APM Series supplies both power and stereo audio to local monitor stations via a single, standard XLR cable, driven by APM 200 and APM 400 main stations. Local stations are daisy-chained together, reducing cabling and setup time to a minimum – an 80-piece orchestra can be setup in under 20 minutes.

Via the main station, APM hardwired monitors may also be interfaced with Garwood wireless in-ear monitors, giving you the best of both worlds for maximum flexibility, for example, to simply link a monitor mix into an OB truck.



APM Series: distributed monitoring made simple

### M-PACK

The hard-wired Garwood M-Pack is the most affordable route to the benefits of in-ear monitoring.

It offers an ideal personal monitoring solution for drummers and keyboard players.

### The Garwood User List

ACDC • Aerosmith • Alanis Morissette • Alison Moyet • Anita Baker • Aswad • Barbra Streisand • Barry Manilow • The Bee Gees • The Beloved • Boyzone • Bette Midler • Brian Adams • Black Crowes • Blind Melon • Bon Jovi • The Boo Radleys • The B52s • The Cardigans • Carly Simon • Celine Dion • Chris Isaacs • The Cranberries • Chrissie Hynde • Cliff Richard • Cocteau Twins • Color Me Badd • Crosby Stills & Nash • Curve • The Cure • David Bowie • David Byrne • Deborah Harry • Depeche Mode • Diana Ross • D • REAM • Duran Duran • Dwight Yoakam • East 17 • The Eagles • Elaine Paige • Elastica • EMF • Englebert Humperdinck • Erasure • Eros Ramazzotti • Everything but the Girl • The Farm • Fish • Foreigner • Gene • Gloria Estefan • Garth Brooks • George Michael • The Grateful Dead • The Hollies • Hootie & the Blowfish • James • Jean Michel Jarre • Kiki Dee • Luther Vandross • Lenny Kravitz • Leningrad Cowboys • Joan Osborne • Kula Shaker • kd Lang • Kenny G band • Kirsty McColl • Massive Attack • Meatloaf • Michael Bolton • Mariah Carey • Maggie Reilly • Mike & The Mechanics • M People • No Doubt • Omar • Paul Young • Peter Green • Paula Abdul • Pet Shop Boys • Peter Gabriel • Phil Collins • Pink Floyd • Portishead • The Pretenders • Queensryche • REM • Reba McEntire • Robbie Williams • Right Said Fred • Rod Stewart • Roger Daltrey • Roger Taylor • Roger Waters • Roger Whitaker • Rush • Seal • Simply Red • Sinead O'Connor • Sneaker Pimps • The Spin Doctors • Status Quo • Steve Miller Band • Steve Winwood • Stevie Wonder • Suede • The Sundays • Take That • TAFKAP • Tammy Wynette • Texas • Tom Petty • Tuck & Patty • UB40 • U2 • Andreas Vollenweider • Vanessa Mae • Van Halen • Wet Wet Wet • World Party •

Mention of the artists above denotes usage and not endorsement



# EARPIECES BY GARWOOD

Garwood has a range of earpieces to suit every wearer and every application. Whether your requirement is for maximum sound level, extended frequency response and headroom, low visibility, or combination of all three, you'll find the right solution here.



IEM II



CANAL MONITORS



MICRO MONITORS



AIR BUDS

## MICRO MONITORS

Micro monitors are custom-fit high sensitivity (108dB/mW) earpieces with extended frequency response (10-23 KHz) diaphragm drivers and a low frequency tuning port, available in a variety of skin tones. The Original.

## AIRSTREAM DUAL DRIVERS

The Airstream Dual Driver design delivers exceptional frequency response and extended head-room. Each earpiece has a high and low driver with passive cross-over and more than 24db isolation from external noise. The Ultimate.

## IEM II

Garwood IEM IIs are made up of a proprietary transducer coupled to a general purpose flexible evoprene earpiece, designed specifically for in-ear monitoring use. The shape fits comfortably into nearly all adult ears. The earpieces are opaque, in order to appear neutral under stage lighting conditions.

## SOFT SILICON

These ergonomically designed soft silicon earpieces can be used with any full frequency drivers to deliver high quality sound, offering an alternative fit to the IEM II.

## MICROCOM

A noise cancelling microphone boom and custom silicon earpiece, designed to be worn under motorcycle crash helmets and in similar situations.

## AIR BUDS

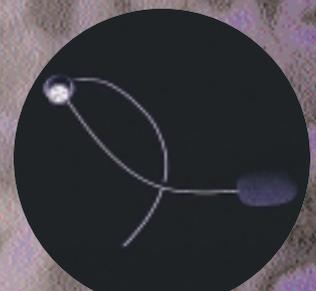
The Air Bud is a better quality alternative to low cost generic earpieces, but without the expense of using custom earpieces. They also offer the benefits of having a moulded foam tip.

## PRESENTER EARPIECES

Colourless acrylic presenter earpieces are available for applications where low visibility is a priority. Acoustic termination is via an ear tube adaptor which fits Garwood's IEM II drivers, or via an alternative adaptor, any standard ear-tube driver. For guest presenters, there is a low-cost disposable version.



IEM II WITH SOFT SILICON



MICROCOM



AIRSTREAM DUAL DRIVER



CUSTOM SILICON IN EAR

ADVANCED PERSONAL MONITORING BY GARWOOD



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