

## 40iPlay C/S audio player/recorder

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40iPlay C/S audio player/recorder

Plays: mp3, mp4, m4a, aac, ogg, wav, and more

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iPlay Client includes:

A true, noise-free (no grating artifacts) 5-band equalizer, each band of which can be configured for width and center frequency. The EQ has seven EQ presets and 90 more that are programmable on a per-file basis.

HX DSP mode lets you wear headphones for extended periods without wearing you down. Once you use HX DSP for headphone listening you'll always want to use it.

SS DSP mode makes your two-loudspeaker stereo system sound as if there were two to three times as many channels playing all around, without any loss of bass, and with no phase problems. This is a smooth-sounding surround. You may keep it there most of the time.

Built-in, multiple decoders of truly exceptional quality and low CPU use (none comes close; others use at least twice the power and in most cases 5 to 10x as much CPU). CPU use is as low as a few percent, allowing up to 10 hours of continuous playback on an iPAQ 3900, or longer with any extended battery.

A built-in XScale (PXA250/255) CPU speed control is included, letting you scale down to 100 MHz or up to 532 MHz (my iPAQ 2200 does 532 MHz).

Perfectly GAPLESS play lets you listen to live or run-through recordings without any annoying breaks or ticks, the same as if you are playing the CD. Gapless mp3 requires having encoded using a LAME-based (v3.90 or later) encoder.

A finely-tuned cache lets you use a microdrive with near-CompactFlash power use. A file takes only a few seconds to load, after which the

drive spins down. Gapless play is still realized. The x86 version of iPlay also works fine for CDs (CD/DA .cda links), spinning them down after load and playing perfectly gapless still, with full EQ/effects processing available.

Recording is just a button press away. If you last exited in record mode, you start up next time (a button press away) appending directly to the same file you last recorded.

File selection is simple and powerful — much more powerful and much simpler to use than the file explorer or any scheme that follows that method of selection — a method that may be fine for beginners but it's woefully inadequate for real use. Adding files, or groups of files, based on wildcards, or directories, or single file picks, is fast and easy. You can load any number of files to the main list, append to the list, append a playlist's contents to the main list, add some more files, a whole directory, all while playing.

Order of the main list can be by: load order (e.g., playlists load in the order the entries appear in the playlist), sequence number (you can renumber individual entries in the list using one hand by using the joypad: up/down/left, or tap the entry's LED in the Q column — no need to move file entries up, down, and all around, over/under each other, just tap them in the order you want them to be played, or for their order to be saved in the playlist), title+artist/album, artist/album+title, size, or in random order. All orders are stable; you can go back to listen to the file you played 10 minutes ago. For truly long lists (iPlay Client handles up to 40,000 files — a size which can be re-ordered in any of the above orders in only a second or two), a Find title or Find artist is available, to locate to the nearest match of the find criterion. Title/artist ordering is based on filename, not ID3 tags, so ordering is instant — there's no painfully slow lag as is there when based on tags.

Playlist creation is a breeze, and works the same way you pick files to play. The playlist is generated from the checked (numbered) contents of the main list, saved in sequence number order. You can edit the playlist manually, changing spelling, adding wildcards (even directories can be wildcard'ed), without leaving iPlay, using the editor of your choice. A single line in a playlist file can load all files of a given artist into the main list ("\*artistname\*" would do it).

Other features include wake and sleep timers; tone generators, sweeps; network analysis (switch to different APs, switch to different adapter configurations, check signal levels, and many, many more network features); ID3 tag display, Ogg & iTunes comments; variable speed play (100, 110, 115...200% speed); battery logging (main and extended battery charts of charge % over time, and current voltage); time bar seeking; shoutcast play and record (using iConSrv); mp3 and wav record; complete font control and selection for the main list, files/folder list, and time digits fonts; DSP tone control of iPAQ audio; video screen

blanking; VU meters, including classic meters, bar–segment, and bar–segment and real–time FFT frequency analysis (these meters are FAST responding, not the toys you may have seen elsewhere that move once per second -- these meters update 30 times/second); programmable button control; graphics slideshow (jpg, gif, bmp), background image on–demand loading; file associations for mp3, ogg, aac, mp4, m4a, wav, and pl extensions; backlight lamp level control; storage stats; and built–in, online help that explains all features and buttons and controls and edit fields in iPlay. It's easy to use, yet doesn't frustrate the power user. It plays and sounds great.

iSrv is the optional server portion of ipcs, and is available for both Win32 desktops and Pocket PC devices. The desktop version serves 18 simultaneous client connections (a limit based on the 320x240 icon space for client icons), across the LAN or across the internet. The PPC version serves three or more simultaneous clients. iSrv handles Wi–Fi, ethernet, and Bluetooth (generic serial & PAN/network access) connections.

<http://40th.com/>

Plenty of screenshots are available, and a demo.

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40th Floor - Software @ <http://40th.com/>  
iPlay : the ultimate audio player for iPAQs