

NetFront™ Living Connect



Market-Leading DLNA Technology Component™ Solution
for Multi-Screen Media Sharing on Consumer Electronics
and Home Networks



NetFront Living Connect

NetFront™ Living Connect is a market-leading Digital Living Network Alliance (DLNA) Technology Component™ solution that enables device manufacturers to quickly and efficiently implement services that support DLNA standards on consumer electronic devices including mobile phones, digital cameras, printers, DVD players, game consoles, digital TVs, set-top boxes, network attached storage (NAS) boxes and more.



NetFront Living Connect has achieved an extensive track record of successful DLNA Certified® device deployments on a variety of consumer electronic devices offered by leading manufacturers in markets throughout the world. NetFront Living Connect is optimized for embedded devices and features high portability and a flexible modularity that allow it to function with any OS or CPU while also providing for easy customization.

NetFront Living Connect is packed with features that ensure that ACCESS can provide device manufacturers, content providers and ultimately end-users with services that provide comprehensive support for even the very latest DLNA standards. The most notable features include a new Media Processing Engine, which provides support for more than 120 file types, Smart Media Manager and Remote User Interface. The combination of ACCESS' NetFront™ Browser, NetFront™ Widgets and NetFront Living Connect provides a turnkey, commercially deployable solution that supports the DLNA Remote User Interface standard.

Benefits | NetFront Living Connect

NetFront Living Connect for Service Providers

- Enables multi-room viewing via standardized technology
- Provides cost savings by leveraging robust DLNA specifications
- One-stop solution for operators
- Quad-play multi-screen support thanks to NetFront Living Connect's modular architecture
- Provides content protection using DTCP-IP

NetFront Living Connect for Device Manufacturers

- Shorter time-to-market with integration-ready Software Development Kit
- Full-featured DLNA and home networking solution
- Future-proof with support for advanced DLNA use cases
- Market-proven and commercially deployed

NetFront Living Connect for Consumers

- Supports approved access to content on mobile devices (e.g. browse photos or music while sitting on sofa)
- Includes DLNA Certified® application to control DTVs, set-top boxes and other devices
- Allows sharing of photos with friends just by connecting to the local Wi-Fi® network
- Enables immediate printing from mobile devices or DTVs without installing printer drivers

NetFront Living Connect for Automotive Market

- Enables media sharing in the car
- Connects personal devices to car infotainment systems
- Allows streaming of media from rear to front seat



NetFront Living Connect supports multi-screen services for the Connected Home

New Features | NetFront Living Connect

Remote User Interface

Remote User Interface provides the ability to share user interfaces inside a DLNA network. It enables multi-room viewing of content and user interfaces and a consistent interface experience across all consumer electronic devices in the network.

Smart Media Manager

The Smart Media Manager is a media server management resource with a browser-based interface that includes features such as advanced content search via content meta-data, parental guidance and security settings. It provides an easy-to-use configuration tool, making it possible to define customized rules to access and share content within the home network.

New Media Processing Engine

Reflecting the market reality of the availability of several different video/audio codecs and corresponding container formats, NetFront Living Connect comes with a new media processing engine that supports more than 120 different file and container formats. With support for all common file formats NetFront Living Connect also dramatically improves media indexing performance providing a significantly better user experience.

Beyond DLNA

NetFront Living Connect is ready for Windows® 7 logo program certification for NetMedia Server and includes compliance with Xbox® Media Player.

Available Packages and Architecture | Ready for Integration

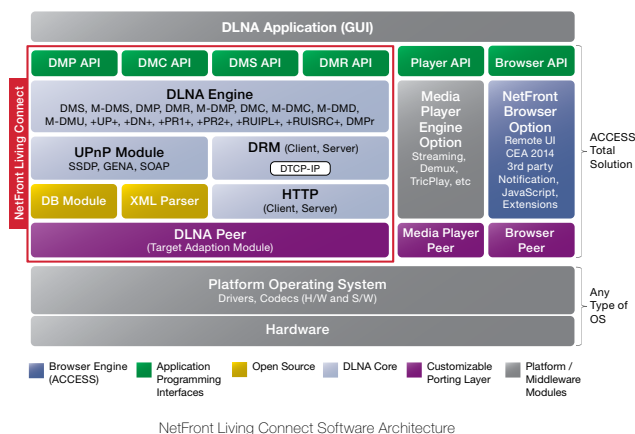
Operating Systems

NetFront Living Connect is available as complete platform or as pre-ported Software Development Kit for various platforms.

- Linux® SDK
- Google® Android SDK
- Apple® iOS™ SDK
- Microsoft® Windows® SDK
- Source code SDK for all C compliant platforms



NetFront Living Connect has been ported to various platforms and reference code can be provided for each platform. Each SDK version has gone through DLNA CTT testing and is ready for integration. The SDK comes with sample application code, rich documentation for APIs and platform integration and some reference code for target platforms.



Advantages | NetFront Living Connect

Optimized for Embedded Information Appliances

NetFront Living Connect was designed from its initial planning stage as an optimal solution for resource-limited embedded environments. Its high portability, which allows it to function with any OS or CPU, also means that it can be seamlessly embedded in a wide variety of devices.

Linking With ACCESS Technology

By integrating with ACCESS' NetFront™ Browser (which includes support for Ajax and RSS) or NetFront™ Media Player, NetFront Living Connect can be deployed as a total solution.

Next Generation DLNA

NetFront Living Connect includes Remote User Interface, DTCP-IP Content protection, has extensive support of media types and lays the groundwork for next generation DLNA standards like Premium Video playback and distribution.

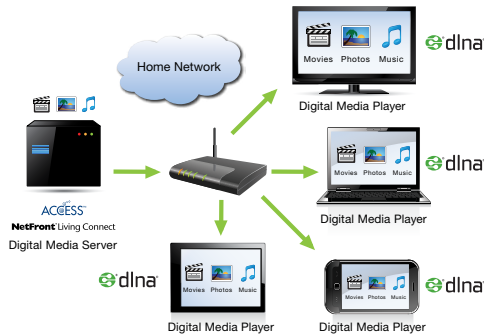
Flexible Modular Structure

NetFront Living Connect's porting layer (Target Adaptation Module) is adaptable to a wide variety of hardware and OS environments.

Use Cases | NetFront Living Connect

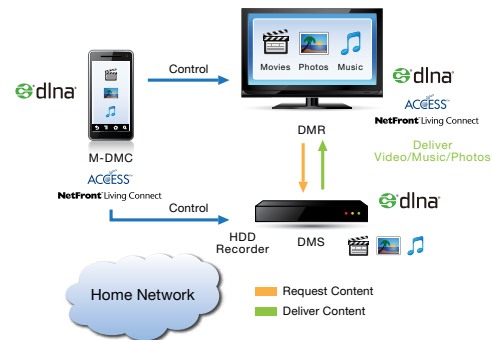
DLNA Multi-Screen Media Sharing

DLNA media sharing allows users to access, share and control digital content to and from any DLNA Certified® device, including DTVs, PCs and mobile phones, within their home Wi-Fi network.



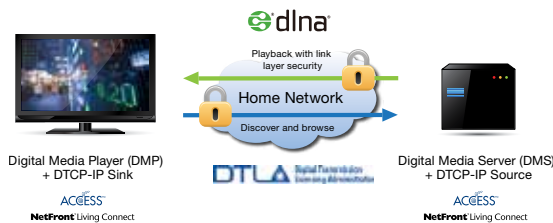
Swipe-to-TV

NetFront Living Connect allows users to access digital content stored on devices within a DLNA network and push this content to other devices in the network including DTVs for viewing or playback.



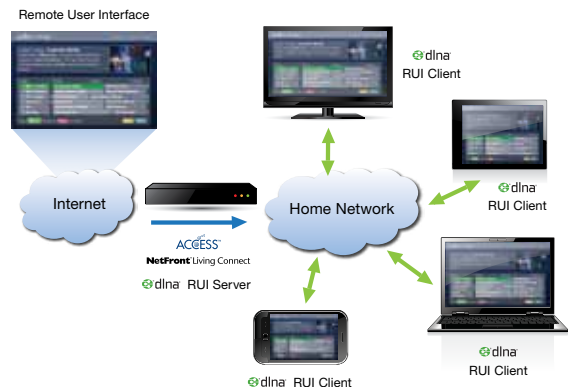
Premium Video Sharing

NetFront Living Connect supports DTCP-IP Link Layer security technology, which allows users to securely stream their DRM (Digital Rights Management) protected commercial digital content to and from DLNA Certified® devices within their home Wi-Fi network, while ensuring that the content is protected from piracy and illegitimate redistribution.



Multi-Room/Remote UI and Content Viewing

DLNA Remote User Interface supports the sharing of user interfaces within a DLNA network. Users can view content on multiple devices in multiple rooms or even remotely while enjoying the advantages of a consistent user interface.



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ACCESS CO., LTD.
1-10-2 Nakase, Mihama-ku
Chiba-Shi, Chiba 261-0023 Japan
PHONE +81-43-212-2111
FAX +81-43-212-3222

ACCESS Europe GmbH
Essener Strasse 5 TZU-IV D-46047 Oberhausen, Germany
PHONE +49-208-8290-6464
FAX +49-208-8290-6465

ACCESS SEOUL CO., LTD.
402, DMC High-tech Industry Center, 1580, Sangam-Dong,
Mapo-Gu, Seoul, 121-835, Korea
PHONE +82-2-3153-5200
FAX +82-2-3153-5210

Sales Contact
For further information on
the product please contact
tv@access-company.com

ACCESS CO., LTD. Taiwan Office
4F-A2 No.58 ZhouZi St., Neihu District, Taipei City,
11493, Taiwan, R.O.C.
PHONE +886-2-8797-5118
FAX +886-2-8797-5115

ACCESS Systems Americas, Inc.
1188 East Arques Avenue, Sunnyvale CA 94085 U.S.A.
PHONE +1-408-400-3000
FAX +1-408-400-1500

ACCESS (Beijing) CO., LTD.
6/F, Qiming International Building, No.101, Li Ze Zhong Jie, Wang Jing,
Chao Yang District, Beijing, P.R.China 100102
PHONE +86 10 84170800
FAX +86 10 84170888