





Caractéristiques du réseau intelligent de climatiseur

Je fais des commandes pratiques avec une application du climatiseur intelligent par un téléphone intelligent!

Vous pouvez facilement contrôler votre climatiseur n'importe où avec l'application du climatiseur intelligent.

Sommaire

Préparation

Installation réseau	3
Vérification avant d'utiliser un routeur sans fil	3
Réseau de connexion	3
Connexion du routeur IP sans fil avec un climatiseur	3
Vérification de l'installation du module Wifi	4
Démontage du module Wifi	4
Montage du module Wifi	5
Vérification de l'état de la connexion sur le panneau d'affichage	5
Vérification réseau	6
Connexion du routeur sans fil avec un climatiseur par le réseau (Choisissez l'une des 2 méthodes)	7
Enregistrement de service de	12
Enregistrement d'un climatiseur	12

Fonction de base

Utilisation de l'application du climatiseur intelligent	14
Écran d'accueil	14
Accès à domicile	14
Contrôle du climatiseur	15
Configuration des fonctions supplémentaires du climatiseur	16
Mise en fonction de minuterie	16
Réglage des informations du climatiseur	17
Accès à l'extérieur	18

Autres

Dépannage	19
Open Source Announcement	20
Reference	27



Alerte

- i. Mise en garde de l'exposition RF - pour maintenir d'une distance de 20cm pour installer ce module.
- ii. Avertissant que ce module ne doit pas être installé et fonctionner simultanément avec d'autres radio sans évaluation supplémentaire ou dépôt de la FCC.
- iii. instruction pour l'étiquetage du système hôte, le système hôte doit avoir une bonne étiquette indiquant qu'il "Contient FCC ID: A3LSWL-B70F"





Installation du réseau

[Connexion réseau]

Connectez le routeur IP sans fil à un climatiseur.



[Service d'enregistrement]

Accéder à <http://www.samsungsmartappliance.com> et enregistrer le service.

Vérification avant l'utilisation d'un routeur sans fil

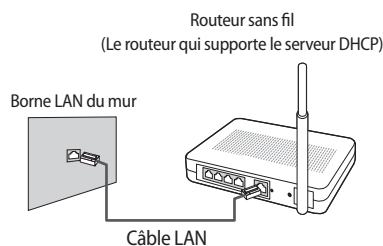
* Ce clim Wifi supporte seulement trois cryptages ci-dessous.

- Ouvert (pas de cryptage), WPA/TKIP, WPA2/AES
 - Vous ne pouvez pas être en mesure d'établir une connexion Wifi si un autre type de cryptage est utilisé.
- Pour l'installation de clim Wifi, sélectionnez l'emplacement de l'unité intérieure à proximité de routeur sans fil. Dans le cas où la force du signal Wifi est faible, Smart App. peut être déconnecté en fonction de la puissance du signal Wifi.
 - Le téléphone intelligent devrait être dans la zone de signal Wifi pour utiliser Smart App.
 - Pour l'accès à Internet haut débit mobile, Smart App. peut être utilisé lorsque mobile Dongle haut débit est activé pour utiliser la connexion Wifi.
 - Ce produit ne supporte que DHCP (Dynamic Host Configuration Protocol). Si les utilisateurs utilisent un routeur sans fil existant, la fonction de l'option de serveur DHCP doit être activée.
 - Sélectionnez une chaîne pour le routeur sans fil qui n'est pas actuellement utilisé.
 - Si un routeur sans fil est relié par un autre mode que ceux ci-haut cités, le routeur ne peut pas être connecté avec le climatiseur ou peut ne fonctionnera pas. Pour utiliser 802.11 n, l'utilisation de WPA2/AES est recommandée.
 - La qualité de la connexion réseau sans fil peut être affectée par les réseaux sans fil environnants.
 - Si un fournisseur de services Internet a définitivement enregistré le PC de l'utilisateur ou son adresse MAC (un numéro d'identification unique), le climatiseur peut ne pas être connecté à l'internet. Lorsque des appareils autres que les PC doivent être connectés à Internet, demandez à votre FAI (fournisseur d'accès Internet) sur les procédures requises pour se connecter à l'internet.
 - Si votre fournisseur de services Internet nécessite un identifiant ou un mot de passe pour vous connecter à Internet, votre climatiseur peut ne pas être capable de se connecter à l'internet. Si c'est le cas, vous devez saisir votre identifiant ou mot de passe lors de la connexion à l'internet.
 - La connexion à Internet peut échouer à cause d'un problème de pare-feu. Si c'est le cas, contactez votre fournisseur de services Internet.
 - Si vous ne pouvez pas vous connecter à Internet, même après avoir suivi les procédures de votre fournisseur d'accès à internet, s'il vous plaît contacter un centre de service Samsung.

Connexion réseau

Connexion du routeur IP sans fil avec un climatiseur

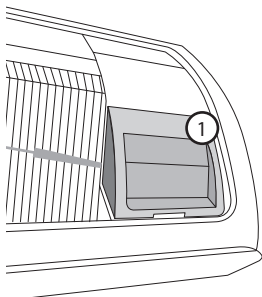
- Pour l'installation du routeur sans fil, reportez-vous au manuel d'utilisation du routeur correspondant.
- Le climatiseur intelligent de Samsung prend en charge les protocoles de communication d'IEEE802.11 b/g/n (2.4Ghz).
- Pour l'installation du routeur sans fil, reportez-vous au manuel d'utilisation de chaque entreprise manufacturière. Samsung ne fournit pas les clients avec le manuel du routeur sans fil.
- Un routeur non-certifié peut ne pas être capable de se connecter avec le climatiseur.
- Un routeur certifié a le logo de ci-dessous sur l'emballage ou sur le manuel d'utilisation.





Connexion réseau

Vérification de l'installation du module Wifi



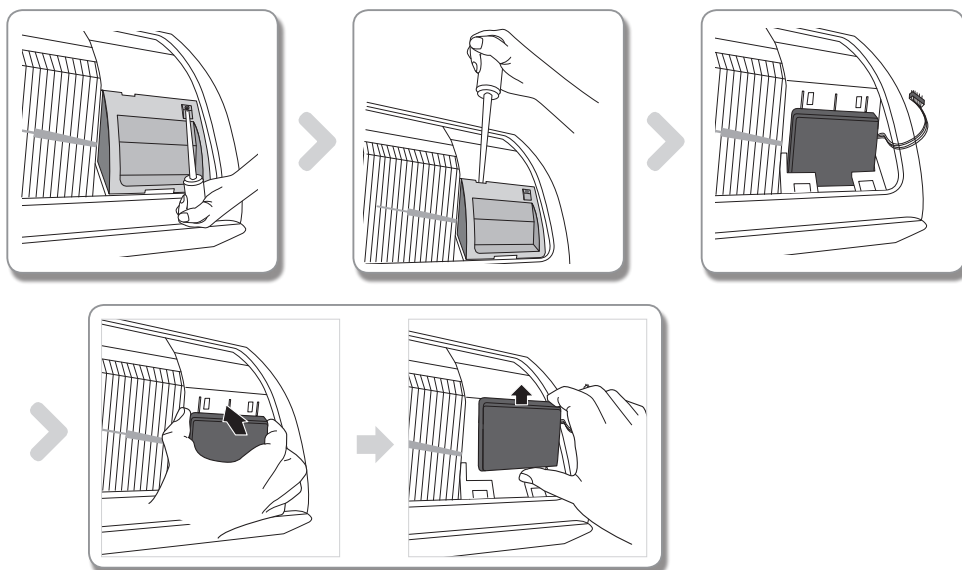
- ▶ Ouvrez la couverture du filtre et vérifiez le module Wifi (1) fixée sur le panneau. L'état de la connexion entre le module Wifi et le routeur sans fil peut être vérifié par le module Wifi décrit sur la page suivante.
- ▶ Pour remplacer le module Wifi (montage ou démontage), suivez la procédure ci-dessous.



REMARQUE

- Lors du changement de module Wifi, vous devriez vérifier le MAC fixé sur le module ou le bas de la partie de l'unité intérieure et modifier les informations de l'appareil dans "service d'enregistrement".

Démontage du module Wifi

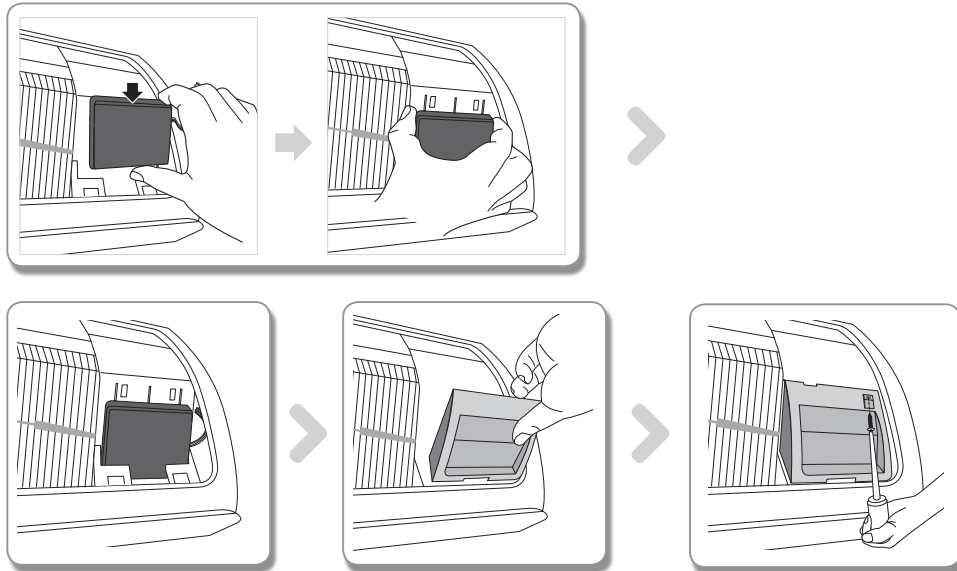


1. Retirez la couverture du sous-panneau.
2. Débranchez le câble du module Wifi.
3. Relâchez le crochet sur le haut du module Wifi et le pousser à le démonter.





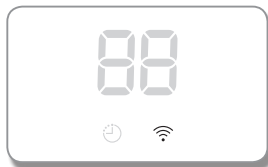
Montage du module Wifi



01 PREPARATION

1. Poussez le module Wifi vers le bas dans une fente et fixer le crochet sur le dessus.
2. Connectez le câble du module Wifi.
3. fermez la couverture du sous-panneau.

Vérification de l'état de la connexion sur le panneau d'affichage



► Description de l'écran Wifi

- 1) Indicateur LED du Wifi éteint:
Déconnecté avec AP
Déconnecté avec internet
- 2) Indicateur LED du Wifi clignote:
Connecté avec AP
Déconnecté à Internet
- 3) Indicateur LED du Wifi allumé:
Connecté avec AP
Connecté à Internet

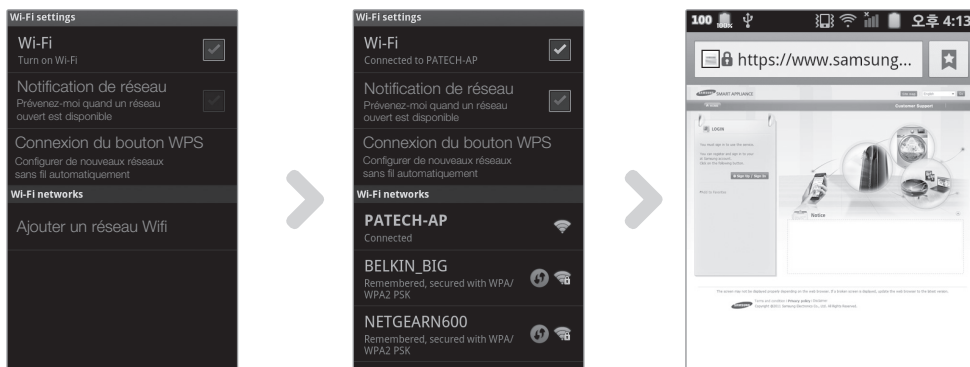


Connexion réseau

Vérification réseau

Vérifiez si le routeur sans fil est connecté avec le téléphone intelligent.

Lorsque l'Internet n'est pas connecté à un téléphone intelligent, la fonction de réseau du climatiseur ne peut pas être utilisée.



1. Rechercher le routeur sans fil sur le téléphone intelligent.
2. Sélectionnez le routeur sans fil que vous utilisez actuellement sur la liste de routeur sans fil recherché.
3. Vérifiez si le téléphone intelligent peut accéder au site Web <http://www.samsungsmartappliance.com> par l'internet.



REMARQUE • Si vous avez besoin d'ID et mot de passe pour utiliser l'Internet au bâtiment commercial, informer l'administrateur réseau de l'adresse MAC de votre climatiseur et obtenir l'approbation de l'utilisation d'Internet pour le climatiseur.



ATTENTION • Si l'installation du programme privé de fournisseur d'accès Internet est nécessaire pour l'utilisation d'Internet, le climatiseur ne peut pas être connecté à l'Internet de prudence.



Connexion du routeur sans fil avec un climatiseur par le réseau (Choisissez l'une des 2 méthodes)

Connexion au réseau avec une application de téléphone intelligent

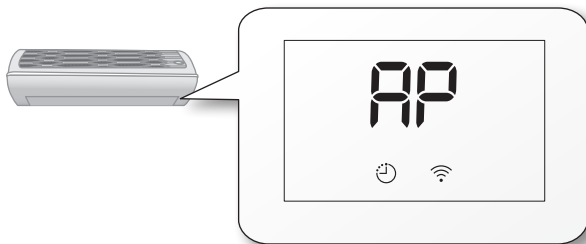
Réglage d'application sur téléphone intelligent Samsung (téléphone intelligent basé sur android)



- Les utilisateurs de téléphones intelligents basés sur android peuvent télécharger l'application du climatiseur intelligent en recherchant 'Samsung, Smart, A/C, AC, Air, Conditioner' sur le marché d'android ou Samsung Apps.



- Après avoir appuyé sur l'onglet [2ndF] sur la télécommande, appuyez sur le bouton [Wifi].
 - Un message **AP** sera affiché sur le panneau d'affichage de devant du climatiseur.



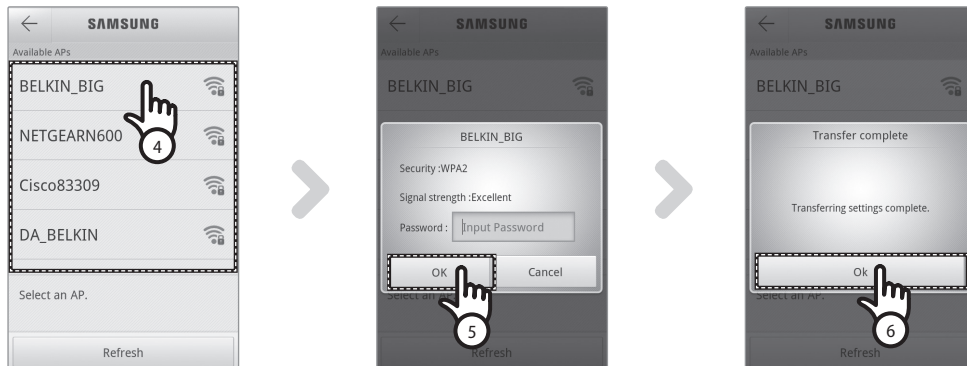
- Après le démarrage de l'application du climatiseur intelligent, appuyez sur l'onglet [Paramètres réseau].
- Appuyez sur l'onglet [Démarrer Paramètres].



- La version de l'image du programme dans ce manuel sert seulement comme référence. S'il vous plaît référez-vous à la réalité.



Connexion réseau



4. Sélectionnez le routeur sans fil que vous utilisez actuellement.
 - Lorsque vous utilisez un routeur sans fil de connexion gratuit, référez-vous au manuel d'utilisateur correspondant pour le mot de passe.
5. Après avoir entré le mot de passe du routeur sans fil sélectionné, appuyez sur l'onglet [OK].
 - Si le mot de passe n'a pas été défini, appuyez sur l'onglet [OK] sans saisir le mot de passe.
6. Quand le pop 'transfert complet' s'ouvre, appuyez sur l'onglet [OK].
 - Lorsque l'indicateur Wifi (📶) est allumé, le climatiseur est connecté au routeur sans fil et l'Internet.
 - Lorsque l'indicateur Wifi (📶) clignote, le climatiseur est connecté au routeur sans fil mais pas à l'Internet. Dans ce cas, vérifiez la connexion Internet.
 - Lorsque l'indicateur Wifi (📶) est éteint, le climatiseur n'est ni connecté au routeur sans fil ni à l'Internet.
7. Après 1 minute, si le LED de Wifi du climatiseur reste allumé, cela signifie que la configuration a réussi. À ce stade, vous pouvez utiliser le téléphone intelligent pour contrôler le système.



REMARQUE

- Lors de la recherche d'un réseau en appuyant sur le bouton [Wifi], un message **RP** sera affiché sur l'écran d'affichage de devant un maximum de cinq minutes.



ATTENTION

- L'application du climatiseur intelligent est optimisée avec les téléphones intelligents Samsung. Les modèles supportés sont: la série des téléphones Samsung Galaxy et d'autres modèles pourront être ajoutés dans l'avenir. Lorsque application du climatiseur intelligent est utilisée avec d'autres téléphones intelligents, certaines fonctions peuvent ne pas fonctionner.



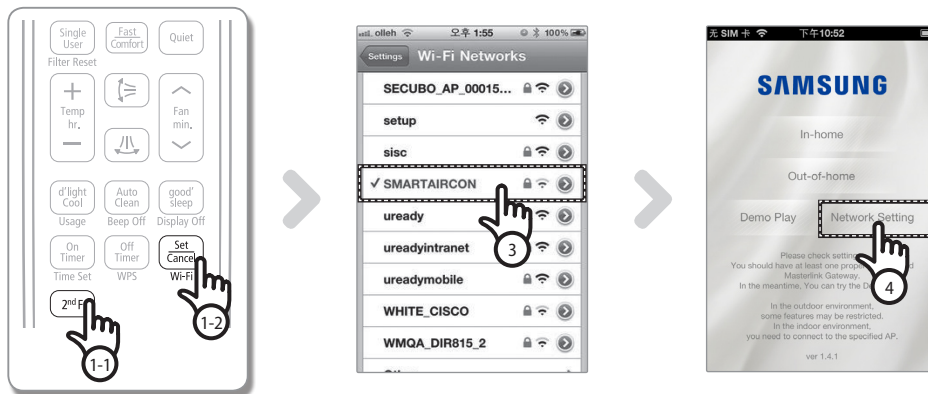


Réglage de l'application sur i Phone

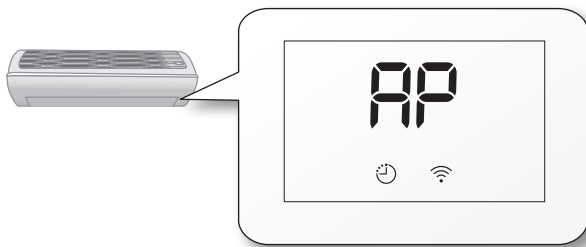


REMARQUE

- Les utilisateurs d'i Phone peuvent télécharger l'application du climatiseur intelligent en cherchant 'Samsung, Smart, A/C, AC, Air, Conditioner' sur Apple App store.



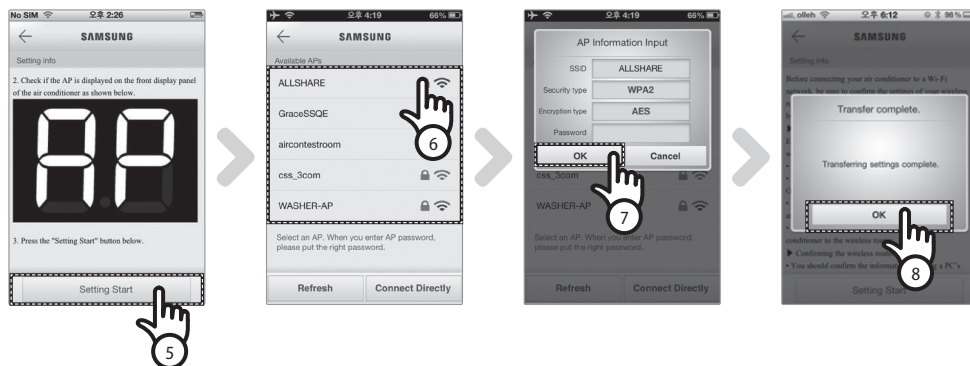
- Après avoir appuyé sur la touche [2ndF] de la télécommande, appuyez sur le bouton [Wifi].
 - Un message **AP** sera affiché sur le panneau d'affichage de devant du climatiseur.



- Sélectionnez [Paramètres] → [Wifi] sur votre i Phone.
- Sur la liste des Wifi, sélectionnez SMARTAIRCON et entrez '11112222' comme mot de passe.
- Après le démarrage de l'application du climatiseur intelligent, appuyez sur l'onglet [Paramètres réseau].



Connexion réseau



5. Appuyez sur l'onglet [Démarrer Paramètres].
6. Sélectionnez le routeur sans fil que vous utilisez actuellement.
 - Lorsque vous utilisez un routeur sans fil de connexion gratuit, référer-vous au manuel d'utilisateur correspondant pour le mot de passe.
7. Après avoir entré le mot de passe du routeur sans fil.
 - Si le mot de passe n'a pas été défini, appuyez sur l'onglet [OK] sans saisir le mot de passe sélectionné, appuyez sur l'onglet [OK].
8. Entrez les informations du routeur sans fil et appuyez sur l'onglet [OK].
 - Les informations requises sont; SSID, le type de sécurité, le type de cryptage et le mot de passe.



REMARQUE

- Si vous ne connaissez pas les informations du routeur sans fil, consultez son manuel ou contactez votre FAI (fournisseur d'accès internet).

9. Quand le pop 'transfert complet' s'ouvre, appuyez sur l'onglet [OK].
10. Sélectionnez [Paramètres] → [Wifi] sur votre iPhone.
11. Sélectionnez le routeur sans fil que vous utilisez, et entrez le mot de passe.
 - Lorsque l'indicateur Wifi (📶) est allumé, le climatiseur est connecté au routeur sans fil et l'Internet.
 - Lorsque l'indicateur Wifi (📶) clignote, le climatiseur est connecté au routeur sans fil mais pas à l'Internet. Dans ce cas, vérifiez la connexion Internet.
 - Lorsque l'indicateur Wifi (📶) est éteint, le climatiseur n'est ni connecté au routeur sans fil ni à l'Internet.
12. Après 2 minutes, si le LED de Wifi du climatiseur reste allumé, cela signifie que la configuration a réussi. À ce stade, vous pouvez utiliser le téléphone intelligent pour contrôler le système.



REMARQUE

- Lors de la recherche d'un réseau en appuyant sur le bouton [Wifi], un message AP sera affiché sur l'écran d'affichage de devant un maximum de cinq minutes.



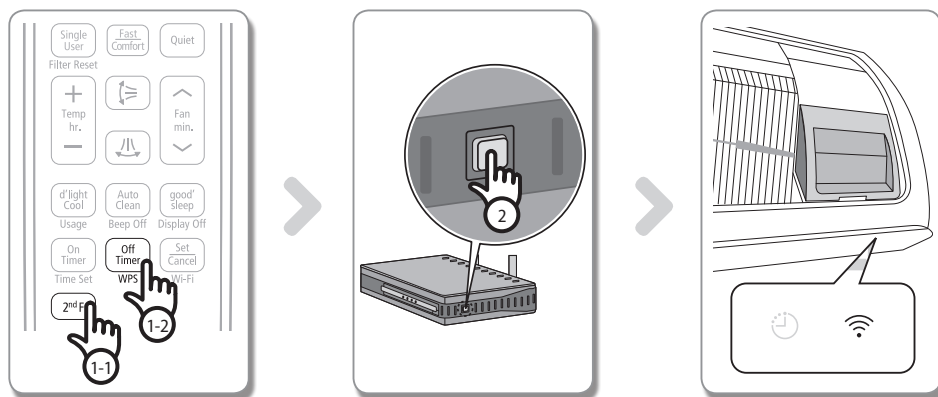
ATTENTION

- Les modèles supportés sont: iPhone 4, iPhone 4S, iPhone5 et autres modèles pourront être ajoutés dans l'avenir.

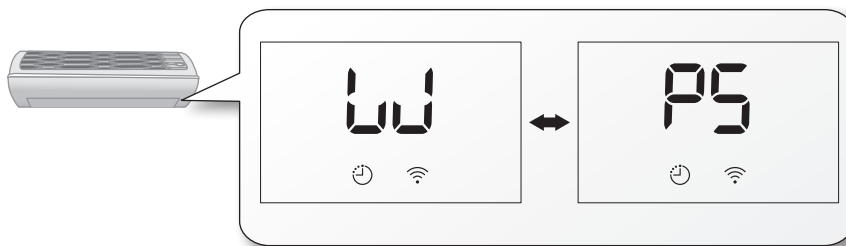




Connexion au réseau avec réglage de WPS



1. Après avoir appuyé sur la touche [2ndF] de la télécommande, appuyez sur le bouton [WPS].
Un message **WJ** → **PS** sera affiché sur le panneau d'affichage de devant du climatiseur.



2. Appuyer sur le bouton [WPS] du routeur sans fil qui sera connecté à un climatiseur et entrer dans la fonction WPS du routeur sans fil. (L'emplacement du bouton WPS peut être différent en fonction de l'entreprise de fabrication du routeur sans fil.)
3. Après avoir connecté correctement le climatiseur avec le routeur sans fil, si l'indicateur du Wifi () s'allume le module Wifi sera en fonction.



REMARQUE

- Vérifiez si le routeur sans fil supporte le paramètre de protection™(WPS).
- Vérifiez si le routeur sans fil a le bouton WPS.
- Le climatiseur intelligent de Samsung utilise la méthode PBC de WPS.
- Lors de la recherche d'un réseau en appuyant sur le bouton [WPS], la télécommande ne fonctionne pas pour un maximum de 2 minutes.
- Soyez prudent lorsque vous appuyez sur le bouton WPS parce que si vous maintenez le bouton WPS pour une longue période, la valeur définie du routeur sans fil sera initialisé avec certains types de routeur sans fil.
- Le fonctionnement du routeur sans fil via le mode WPS peut être différent en fonction de l'entreprise de fabrication. Par conséquent, s'il vous plaît référez-vous au manuel d'utilisation de votre routeur sans fil.



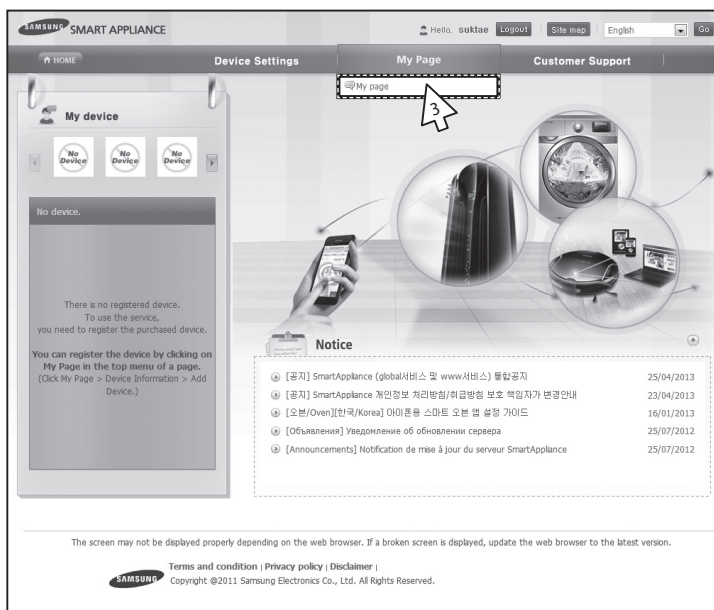
ATTENTION

- Si le routeur sans fil (AP) n'est pas authentifié avec WPS, un échec de connexion peut se produire.
- Certains des routeurs sans fil (y compris les routeurs sans fil qui ne sont pas authentifiés avec WPS) peuvent perdre la connexion avec les périphériques connectés précédemment lorsque le climatiseur établit une connexion avec un routeur sans fil.

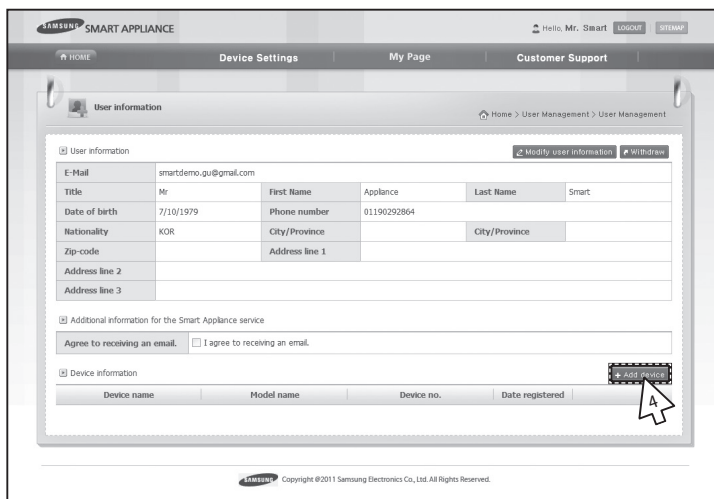
Service d'enregistrement

Enregistrement d'un climatiseur

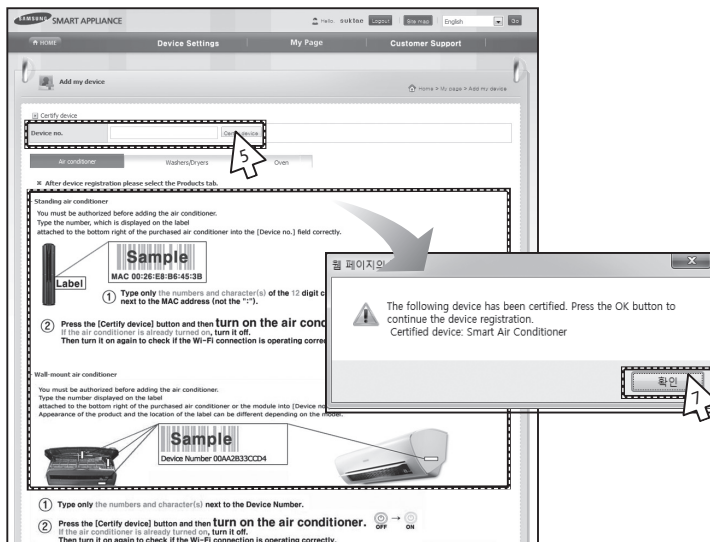
1. Accéder le site d'appareil intelligent de Samsung (<http://www.samsungsmartappliance.com>).
2. Entrez le nom d'utilisateur et mot de passe pour vous connecter.
 - Si vous n'avez pas de compte, appuyez sur [Créer un compte Samsung] et remplissez le formulaire pour devenir un membre.



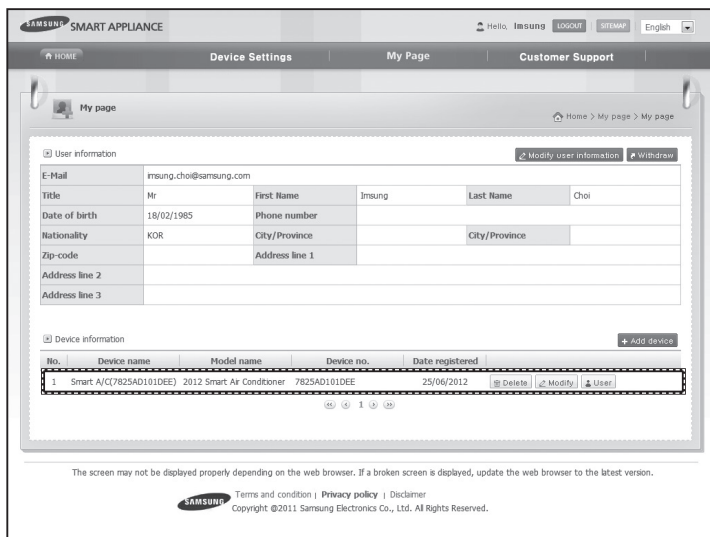
3. Sélectionnez [Ma page]→Sélectionnez [Ma page].



4. Sélectionnez [Ajout de périphérique].



5. Après avoir entré le MAC écrite sur l'étiquette se trouvant sur la partie inférieure du climatiseur, cliquez sur [Certifier l'appareil].
6. Redémarrez le climatiseur que vous utilisez actuellement.
7. Lorsque le message de certification de périphérique apparaît, cliquez sur [OK].
 - Si le climatiseur que vous enregistrez est déjà enregistré par d'autres utilisateurs, une fenêtre va s'ouvrir vous demandant si vous souhaitez supprimer l'autorité de l'usage des utilisateurs existants ou pas.



8. Après que l'enregistrement du climatiseur est terminé, vous pouvez vérifier le climatiseur enregistré sur la liste des informations sur les périphériques.



REMARQUE

- Lorsque vous modifiez un module Wifi, suivez la procédure ci-dessus à partir du No.1.

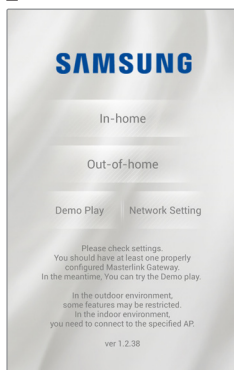




Utilisation de l'application du climatiseur intelligent

- ▶ Les utilisateurs de téléphones intelligents basés sur android peuvent télécharger l'application du climatiseur intelligent en recherchant 'Climatiseur intelligent' sur le marché android (Google Play Store) ou Samsung Apps.
- ▶ Les utilisateurs d'i Phone peuvent télécharger l'application du climatiseur intelligent en cherchant 'Climatiseur intelligent' sur l'Apple APP store.

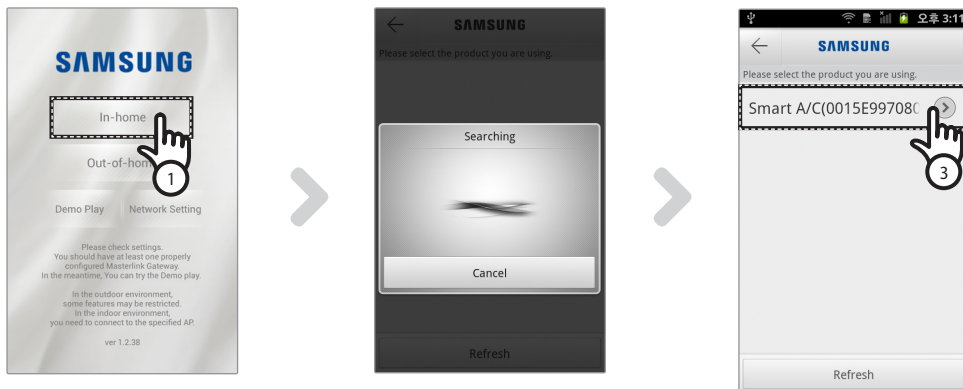
Écran d'accueil



À domicile	Vous pouvez contrôler votre climatiseur à la maison.
A l'extérieur	Vous pouvez contrôler votre climatiseur extérieur de votre maison.
Lecture de Démo	Vous pouvez tester les fonctions de l'application du climatiseur intelligent.
Paramètres réseau	Régler le réseau de climatisation.

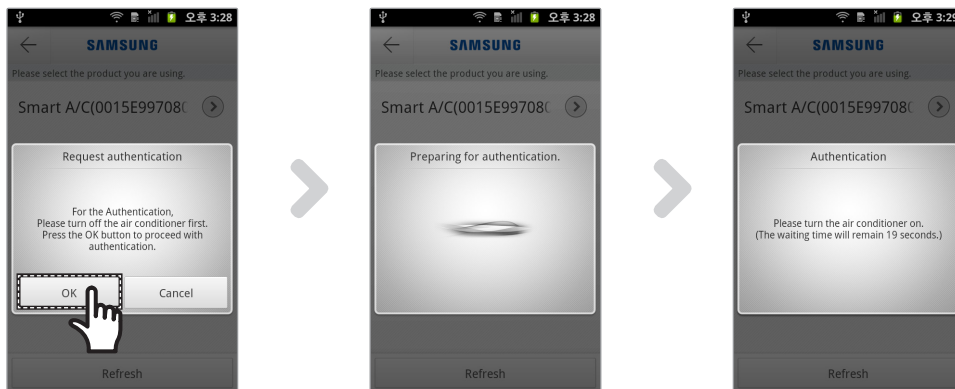
Accès à domicile

- ▶ Utiliser l'application du climatiseur intelligent pour le remplacement de la télécommande à la maison.



1. Appuyez sur l'onglet [à domicile] sur l'écran d'accueil.
2. Recherchez le climatiseur.
 - Lorsque vous ne pouvez pas trouver le climatiseur que vous souhaitez sélectionner, appuyez sur l'onglet [Actualiser] pour rechercher à nouveau.
3. Sélectionnez le climatiseur que vous souhaitez accéder.

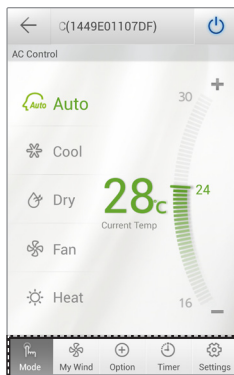




4. Avant d'accéder à votre climatiseur pour la première fois, vous devriez obtenir une authentification. Lorsque la fenêtre d'authentification s'ouvre, allumer le climatiseur dans moins de 20 secondes. Après avoir obtenu l'authentification avec succès, vous pouvez vous connecter sur le climatiseur.

Contrôle du climatiseur

- Vérifiez la fonction de contrôle du climatiseur à l'écran de contrôle.



Mode	Régler le fonctionnement de base du climatiseur.
Option	Réglez les fonctions supplémentaires du climatiseur.
Minuteur	Réglez l'ouverture ou la fermeture de la fonction de minuterie du climatiseur.
Paramètres	Définissez le nom du réseau ou d'un climatiseur.

- Réglez le mode de fonctionnement du climatiseur en appuyant sur l'onglet [Mode].



①	Allumer / éteindre	Allumer ou éteindre le climatiseur.
②	Mode	Sélectionnez Auto, Cool, Dry, Fan, ou la chaleur.
③	Température désirée	Sélectionner la température désirée du climatiseur.
④	La température actuelle	Afficher la température actuelle de la chambre.

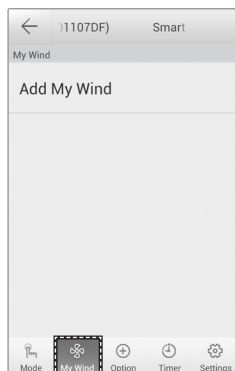




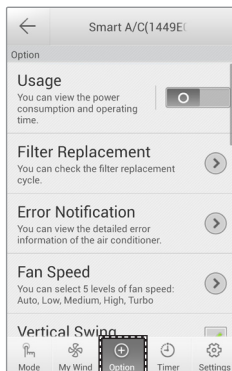
Utilisation de l'application du climatiseur intelligent

Configuration des fonctions supplémentaires du climatiseur

- ▶ Vous pouvez contrôler les fonctions supplémentaires du climatiseur soutient.
- ▶ Les fonctions supplémentaires seront activées selon les fonctions du climatiseur.
- ▶ Mon Vent, utilisation, Rechange de filtre, Notification d'Erreur, le type de fonction du vent peut être contrôlé uniquement par l'application. Vous devez être connecté au Wifi et exécutez l'application pour utiliser ces fonctions.



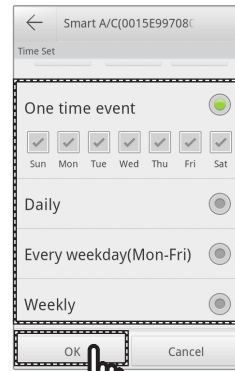
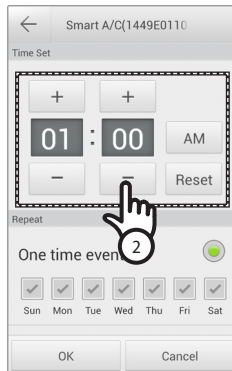
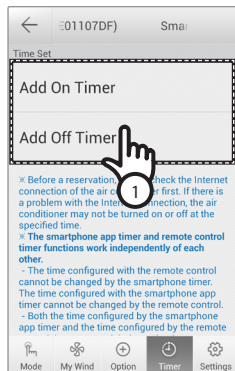
1. L'utilisateur sauvegarder la fonction avec l'établissement.
- Le climatiseur peut être contrôlé facilement.



1. Appuyez sur l'onglet [Option] en bas de l'écran.
2. Sélectionnez le mode de fonctionnement ou des fonctions supplémentaires que vous voulez.

REMARQUE • Pour les détails sur chaque fonction, reportez-vous au manuel d'utilisateur de chaque climatiseur.

Setting timer function



1. Après avoir appuyé sur l'onglet [Minuterie] en bas de l'écran, appuyez sur l'onglet [démarer la minuterie] ou [quitter la minuterie].
 - Lorsque vous voulez régler l'heure de démarrage, appuyez sur l'onglet [démarer la minuterie] onglet ou [quitter la minuterie] pour l'heure d'arrêt de la minuterie.
2. Appuyez sur l'onglet [+], [-] ou [AM], [PM] pour régler l'heure de démarrage ou d'arrêt.
3. Après le réglage du cycle de répétition, appuyez sur l'onglet [OK].

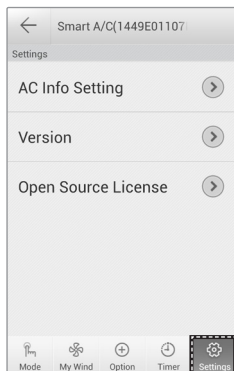
REMARQUE • Le temps de démarrage et d'arrêt ne peuvent pas être réglé en même temps.



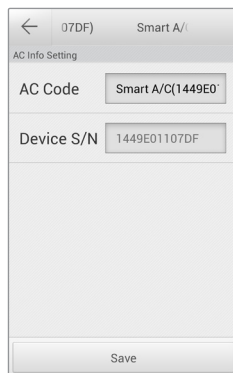
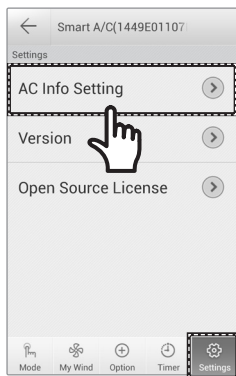


Réglage des informations du climatiseur

- Modifiez les informations du climatiseur ou voir les informations de version des applications, licence open source en appuyant sur l'onglet [Paramètres].



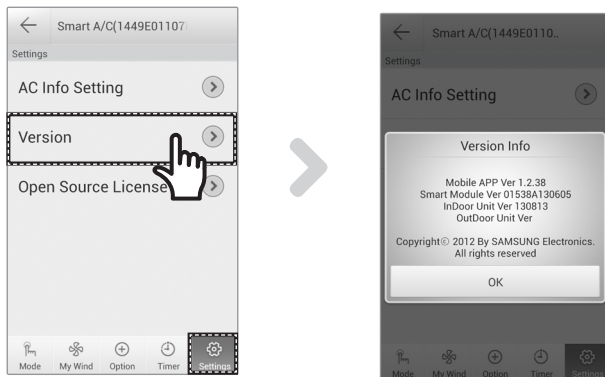
- Définissez le nom du climatiseur en appuyant sur l'onglet [Paramètre d'Infos du climatiseur].





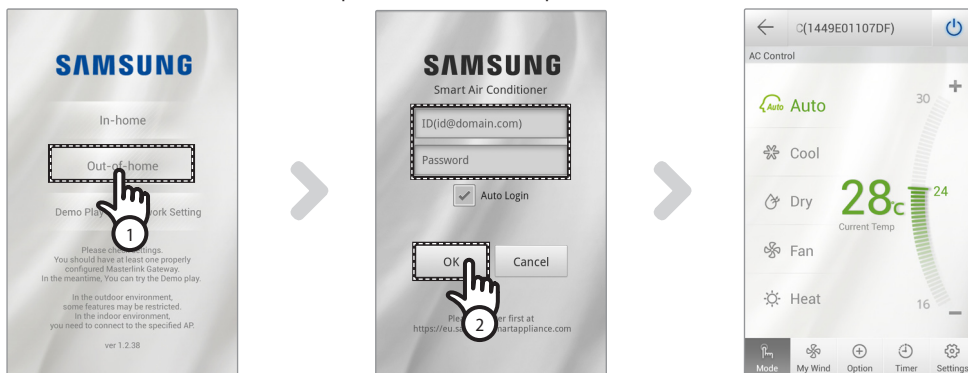
Utilisation de l'application du climatiseur intelligent

- Vérifiez la version de l'APP en appuyant sur l'onglet [Version].



Accès à l'extérieur

1. Appuyez sur l'onglet [A l'extérieur]
2. Après avoir saisi l'ID et le mot de passe du site Web de l'appareil intelligent de Samsung, appuyez sur l'onglet [OK].
3. Contrôlez votre climatiseur à l'extérieur de la maison.
 - L'utilisation à l'extérieur est la même que l'accès à domicile (voir p12)



REMARQUE

- Vous devez vous identifier pour faire un contrôle à l'extérieur.
Entrez l'identifiant et le mot de passe que vous avez utilisé pour vous inscrire au service de réseau. Si vous n'êtes pas membre, joindre les membres et enregistrer votre climatiseur à <http://www.samsungsmartappliance.com>.
- En accédant au climatiseur à l'extérieur, vous ne pouvez pas utiliser les fonctions supplémentaires du climatiseur.





Dépannage

Avant de faire un appel à un centre de service, s'il vous plaît vérifier les éléments figurant dans le tableau ci-dessous.

Point à vérifier		Solution
Le climatiseur ne peut être trouvé sur l'application de climatiseur intelligent.	Vérifiez si le Wifi du téléphone intelligent est activé.	Activez la connexion Wifi de votre téléphone intelligent.
	Vérifiez si le téléphone intelligent et le climatiseur sont connectés à différents routeurs sans fil	Le téléphone intelligent et le climatiseur doivent être connectés au même routeur sans fil.
	Vérifiez si l'indicateur du Wifi () sur l'écran est allumé.	Vérifiez si le climatiseur est correctement connecté à un routeur sans fil.
Le téléphone intelligent est connecté au climatiseur correctement mais il ne fonctionne pas.		Redémarrez l'application du climatiseur intelligent ou reconnecter le téléphone intelligent avec le routeur sans fil.
Lors de la sélection de fonction de l'application du climatiseur intelligent à domicile, plusieurs appareils sont recherchés.		Sélectionnez le climatiseur dont le numéro du dispositif est le même que votre climatiseur sur la liste.
Je n'ai pas d'ID et mot de passe pour se connecter avec l'application du climatiseur intelligent à l'extérieur.		Rejoignez les membres sur le site Web d'appareil intelligent de Samsung (http://www.samsungsmartappliance.com) et enregistrer votre climatiseur.
La fonction de l'application du climatiseur intelligent ne fonctionne pas à l'extérieur.	Vérifiez si l'indicateur du Wifi () sur l'écran est allumé.	Vérifiez si le climatiseur est correctement connecté au routeur sans fil.
	Vérifiez si l'indicateur du Wifi () sur l'affichage clignote à un intervalle de 0,5 sec.	Vérifiez si le routeur sans fil est correctement connecté à Internet.



Open Source Announcement

Open Source Announcement

The software included in this product contains copyrighted software that is licensed under the GPL/LGPL. You may obtain the complete Corresponding Source code from us for a period of three years after our last shipment of this product by sending email to:

oss.request@samsung.com

If you want to obtain the complete Corresponding Source code in the physical medium such as CD-ROM, the cost of physically performing source distribution may be charged. This offer is valid to anyone in receipt of this information.

GPL Software :

Linux kernel, BusyBox, Bootloader, U-boot

LGPL Software :

Mini-XML

GNU GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software Foundation's software and to any other program whose authors commit to using it. (Some other Free Software Foundation software is covered by the GNU Lesser General Public License instead.) You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the software, or if you modify it.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

We protect your rights with two steps: (1) copyright the software, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the software.

Also, for each author's protection and ours, we want to make certain that everyone understands that there is no warranty for this free software. If the software is modified by someone else and passed on, we want its recipients to know that what they have is not the original, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

1. You may copy and distribute verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and give any other recipients of the Program a copy of this License along with the Program.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish,

Français-20





that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

- a)** Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- b)** Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- c)** Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler,

kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

If distribution of executable or object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.



Open Source Announcement

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

9. The Free Software Foundation may publish revised and/or new versions of the General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of this License, you may choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs whose distribution conditions are different, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

one line to give the program's name and an idea of what it does.
Copyright (C) yyyy name of author

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 'show w'. This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than 'show w' and 'show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the program 'Gnomovision' (which makes passes at compilers) written by James Hacker.

signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the [GNU Lesser General Public License](#) instead of this License.



GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.



Open Source Announcement

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a)** The modified work must itself be a software library.
- b)** You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c)** You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d)** If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and

separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.



If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a)** Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b)** Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c)** Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d)** If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e)** Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

- a)** Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
- b)** Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.



Open Source Announcement

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR

LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

one line to give the library's name and an idea of what it does.
Copyright (C) year name of author

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details.

You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

signature of Ty Coon, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

OpenSSL

This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org/>)

This product includes cryptographic software written by Eric Young (ey@cryptsoft.com)

LICENSE ISSUES

The OpenSSL toolkit stays under a dual license, i.e. both the conditions of the OpenSSL License and the original SSLeay license apply to the toolkit. See below for the actual license texts. Actually both licenses are BSD-style Open Source licenses. In case of any license issues related to OpenSSL please contact openssl-core@openssl.org.



OpenSSL License

Copyright (c) 1998-2008 The OpenSSL Project. All rights reserved.
Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

Redistributions of source code must retain the above copyright notice,
this list of conditions and the following disclaimer.

Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimer in the
documentation and/or other materials provided with the distribution.
All advertising materials mentioning features or use of this software
must display the following acknowledgment:

"This product includes software developed by the OpenSSL Project for
use in the OpenSSL Toolkit. (<http://www.openssl.org/>)"

The names "OpenSSL Toolkit" and "OpenSSL Project" must not be used
to endorse or promote products derived from this software without
prior written permission. For written permission, please contact openssl-core@openssl.org.

Products derived from this software may not be called "OpenSSL" nor
may "OpenSSL" appear in their names without prior written permission
of the OpenSSL Project.

Redistributions of any form whatsoever must retain the following
acknowledgment:

"This product includes software developed by the OpenSSL Project for
use in the OpenSSL Toolkit (<http://www.openssl.org/>)"

THIS SOFTWARE IS PROVIDED BY THE OpenSSL PROJECT "AS IS" AND
ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND
FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT
SHALL THE OpenSSL PROJECT OR ITS CONTRIBUTORS BE LIABLE
FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,
PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED
AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING
IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF
THE POSSIBILITY OF SUCH DAMAGE.

=====

This product includes cryptographic software written by Eric Young
(eay@cryptsoft.com). This product includes software written by Tim
Hudson (tjh@cryptsoft.com).

Uthash

Copyright (c) 2005-2013, Troy D. Hanson <http://uthash.sourceforge.net>
All rights reserved.

Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are
met:

Redistributions of source code must retain the above copyright notice,
this list of conditions and the following disclaimer.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND
CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES,
INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR
CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL,
SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR
OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE,
EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Iperf

Copyright (c) 1999-2007, The Board of Trustees of the University of
Illinois

All Rights Reserved. Iperf performance test

Mark Gates

Ajay Tirumala

Jim Ferguson

Jon Dugan

Feng Qin

Kevin Gibbs

John Estabrook

National Laboratory for Applied Network Research

National Center for Supercomputing Applications

University of Illinois at Urbana-Champaign

<http://www.ncsa.uiuc.edu>

Permission is hereby granted, free of charge, to any person obtaining
a copy of this software (Iperf) and associated documentation files
(the "Software"), to deal in the Software without restriction, including
without limitation the rights to use, copy, modify, merge, publish,
distribute, sublicense, and/or sell copies of the Software, and to permit
persons to whom the Software is furnished to do so, subject to the
following conditions:

Redistributions of source code must retain the above copyright notice,
this list of conditions and the following disclaimers.

Redistributions in binary form must reproduce the above copyright
notice, this list of conditions and the following disclaimers in the
documentation and/or other materials provided with the distribution.

Neither the names of the University of Illinois, NCSA, nor the names of
its contributors may be used to endorse or promote products derived
from this Software without specific prior written permission. THE
SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES
OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
NONINFRINGEMENT. IN NO EVENT SHALL THE CONTRIBUTORS OR
COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER
LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE,
ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR
THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Reference

English	Hereby, Samsung Electronics, declares that this Air conditioner is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
	The official Declaration of conformity may be found at http://www.samsung.com , go to Support > Search Product Support and enter the model name. This equipment may be operated in all EU countries. In France, this equipment may only be used indoors.



L'application du climatiseur intelligent peut être modifiée sans préavis pour l'amélioration de la qualité et également être supprimée en fonction de la situation des entreprises de fabrication.



DB68-04419A-00





Application intelligente A/C

Climatiseur Manuel de l'utilisateur



100%
Recycled Paper

Ce manuel est en papier recyclé à 100%.

Imaginez les possibilités

CE0678

