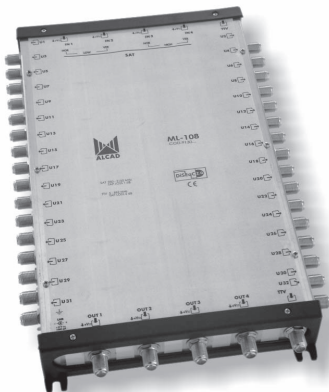




SISTEMA DE MULTICONMUTADORES
MULTISWITCH SYSTEM
MULTISWITCH SISTEMI
SYSTÈME MULTICOMMUTATEUR



SERIE 913 SERIES

MULTICONMUTADORES - MULTISWITCHES- MULTISWITCH'LER - MULTICOMMUTATEURS

CÓDIGO-CODE-CODE	9130144			9130145		9130146	
MODELO-MODEL-MODELE	MB-102			MB-103		MB-104	
Entradas/salidas/derivaciones Inputs/outputs/taps Giriş/çıkış/yan çıkış Entrées/sorties/dérivations		5/0/8		5/0/12		5/0/16	
Rango de frecuencia Frequency range Frekans Gamme de fréquences	Band	TV	SAT	TV	SAT	TV	SAT
	MHz	47-862	950-2150	47-862	950-2150	47-862	950-2150
MODO PASIVO - PASSIVE MODE - PASIF DURUM - MODE PASSIF							
Atenuación de derivación Tap loss Yan çıkış kaybı Atténuation de dérivation	dB ±TOL	19 ±3,0	-2,5 ±4,0	20 ±3,0	-1,0 ±4,0	20 ±3,0	-1,0 ±4,0
Nivel de salida Output level Çıkış seviyesi Niveau de sortie	dBµV	110 (DIN 45004B)	100 (IMD ₃ -35 dB) 95 (IMD ₂ -35 dB)	110 (DIN 45004B)	100 (IMD ₃ -35 dB) 92 (IMD ₂ -35 dB)	110 (DIN 45004B)	100 (IMD ₃ -35 dB) 92 (IMD ₂ -35 dB)
MODO ACTIVO - ACTIVE MODE - AKTIF DURUM - MODE ACTIF							
Atenuación de derivación Tap loss Yan çıkış kaybı Atténuation de dérivation	dB ±TOL	-1,0 ±3,0	-2,5 ±4,0	0,0 ±3,0	-1,0 ±4,0	0,0 ±3,0	-1,0 ±4,0
Nivel de salida Output level Çıkış seviyesi Niveau de sortie	dBµV	99 (DIN 45004B)	100 (IMD ₃ -35 dB) 95 (IMD ₂ -35 dB)	96 (DIN 45004B)	100 (IMD ₃ -35 dB) 92 (IMD ₂ -35 dB)	96 (DIN 45004B)	100 (IMD ₃ -35 dB) 92 (IMD ₂ -35 dB)
MODO ACTIVO/PASIVO - ACTIVE/PASSIVE MODE - AKTIF/PASIF DURUM - MODE ACTIF/PASSIF							
Ecualización de derivación Tap equalization Yan çıkış eğimi Egalisation de dérivation	dB	4	4	4	2	4	2
Rechazo entre bandas Rejection between bands Girişler arası izolasyon Rejection entre bandes	dB	>20 TV/SAT >65 SAT/TV					
Deşacoplo entre usuarios Isolation between users Yan çıkışlar arası izolasyon Découplage entre utilisateurs	dB	>20 TV >20 SAT					
Deşacoplo de conmutación Isolation of switching Anatharma Découplage de commutation	dB	>30 SAT/SAT					
Conmutación de las salidas Switching the outputs Uydu seçimi Commutation des sorties		DiSEqC 2.0 14 V $\pm$ /18 V $\pm$ 0/22 KHz					
Alimentación de las LNB Power supply of the LNB LNB beslemesi Alimentation des LNB		1050 mA / 13 V $\pm$					
Consumo desde el receptor Consumption from the receiver Uydu alıcısından çekilen akım Consommation du récepteur	mA	42 $\pm$ 2,0 (14/18 V $\pm$)					

IMD₃ -35 dB: 2 equal carriers, EN 50083-5

IMD₂ -35 dB: 2 equal carriers, EN 50083-5

Data published in compliance with the definitions and measurement methods of the following standards: EN 50083-3, EN 50083-4 and EN 50083-5

MULTICONMUTADORES - MULTISWITCHES- MULTISWITCH'LER - MULTICOMMUTATEURS

CÓDIGO-CODE-CODE	9130147			9130148		9130160	
MODELO-MODEL-MODELE	MB-105			MB-106		MB-108	
Entradas/salidas/derivaciones Inputs/outputs/taps Giriş/çıkış/yan çıkış Entrées/sorties/dérivations		5/0/20		5/0/24		5/0/32	
Rango de frecuencia Frequency range Frekans Gamme de fréquences	Band	TV	SAT	TV	SAT	TV	SAT
	MHz	47-862	950-2150	47-862	950-2150	47-862	950-2150
MODO PASIVO - PASSIVE MODE - PASIF DURUM - MODE PASSIF							
Atenuación de derivación Tap loss Yan çıkış kaybı Atténuation de dérivation	dB ±TOL	21 ±3,0	-1,0 ±4,0	21 ±3,0	-1,0 ±4,0	21 ±2,0	-1,0 ±2,0
Nivel de salida Output level Çıkış seviyesi Niveau de sortie	dBµV	110 (DIN 45004B)	100 (IMD ₃ -35 dB) 91 (IMD ₂ -35 dB)	110 (DIN 45004B)	100 (IMD ₃ -35 dB) 91 (IMD ₂ -35 dB)	110 (DIN 45004B)	100 (IMD ₃ -35 dB) 91 (IMD ₂ -35 dB)
MODO ACTIVO - ACTIVE MODE - AKTIF DURUM - MODE ACTIF							
Atenuación de derivación Tap loss Yan çıkış kaybı Atténuation de dérivation	dB ±TOL	1,0 ±3,0	-1,0 ±4,0	1,0 ±3,0	-1,0 ±4,0	1,0 ±2,0	-1,0 ±2,0
Nivel de salida Output level Çıkış seviyesi Niveau de sortie	dBµV	95 (DIN 45004B)	100 (IMD ₃ -35 dB) 91 (IMD ₂ -35 dB)	95 (DIN 45004B)	100 (IMD ₃ -35 dB) 91 (IMD ₂ -35 dB)	95 (DIN 45004B)	100 (IMD ₃ -35 dB) 91 (IMD ₂ -35 dB)
MODO ACTIVO/PASIVO - ACTIVE/PASSIVE MODE - AKTIF/PASIF DURUM - MODE ACTIF/PASSIF							
Ecuación de derivación Tap equalization Yan çıkış eğimi Egalisation de dérivation	dB	7	4	7	4	7	3
Rechazo entre bandas Rejection between bands Girişler arası izolasyon Rejection entre bandes	dB	>20 TV/SAT >65 SAT/TV					
Deşacoplo entre usuarios Isolation between users Yan çıkışlar arası izolasyon Découplage entre utilisateurs	dB	>20 TV >20 SAT					
Deşacoplo de conmutación Isolation of switching Anatharma Découplage de commutation	dB	>30 SAT/SAT					
Conmutación de las salidas Switching the outputs Uydu seçimi Commutation des sorties		DiSEqC 2.0 14 V± /18 V± 0/22 KHz					
Alimentación de las LNB Power supply of the LNB LNB beslemesi Alimentation des LNB		1050 mA / 13 V±					
Consumo desde el receptor Consumption from the receiver Uydu alıcısından çekilen akım Consommation du récepteur	mA	42 ±2,0 (14/18 V±)					

IMD₃ -35 dB: 2 equal carriers, EN 50083-5

IMD₂ -35 dB: 2 equal carriers, EN 50083-5

Data published in compliance with the definitions and measurement methods of the following standards: EN 50083-3, EN 50083-4 and EN 50083-5

MULTICONMUTADORES - MULTISWITCHES- MULTISWITCH'LER - MULTICOMMUTATEURS

CÓDIGO-CODE-CODE	9130149			9130150		9130151	
MODELO-MODEL-MODELE	ML-102			ML-103		ML-104	
Entradas/salidas/derivaciones Inputs/outputs/taps Giriş/çıkış/yan çıkış Entrées/sorties/dérivations		5/5/8		5/5/12		5/5/16	
Rango de frecuencia Frequency range Frekans Gamme de fréquences	Band	TV	SAT	TV	SAT	TV	SAT
	MHz	47-862	950-2150	47-862	950-2150	47-862	950-2150
MODO PASIVO - PASSIVE MODE - PASIF DURUM - MODE PASSIF							
Atenuación de derivación Tap loss Yan çıkış kaybı Atténuation de dérivation	dB ±TOL	23 ±3,0	-2,5 ±4,0	24 ±3,0	-1,0 ±4,0	24 ±3,0	-1,0 ±4,0
Nivel de salida Output level Çıkış seviyesi Niveau de sortie	dBµV	110 (DIN 45004B)	100 (IMD ₃ -35 dB) 95 (IMD ₂ -35 dB)	110 (DIN 45004B)	100 (IMD ₃ -35 dB) 92 (IMD ₂ -35 dB)	110 (DIN 45004B)	100 (IMD ₃ -35 dB) 92 (IMD ₂ -35 dB)
MODO ACTIVO - ACTIVE MODE - AKTIF DURUM - MODE ACTIF							
Atenuación de derivación Tap loss Yan çıkış kaybı Atténuation de dérivation	dB ±TOL	3,0 ±3,0	-2,5 ±4,0	4,0 ±3,0	-1,0 ±4,0	4,0 ±3,0	-1,0 ±4,0
Nivel de salida Output level Çıkış seviyesi Niveau de sortie	dBµV	99 (DIN 45004B)	100 (IMD ₃ -35 dB) 95 (IMD ₂ -35 dB)	96 (DIN 45004B)	100 (IMD ₃ -35 dB) 92 (IMD ₂ -35 dB)	96 (DIN 45004B)	100 (IMD ₃ -35 dB) 92 (IMD ₂ -35 dB)
MODO ACTIVO/PASIVO - ACTIVE/PASSIVE MODE - AKTIF/PASIF DURUM - MODE ACTIF/PASSIF							
Ecualización de derivación Tap equalization Yan çıkış eğimi Egalisation de dérivation	dB	4	4	4	2	4	2
Atenuación de paso Through loss Geçiş kaybı Atténuation de passage	dB ±TOL	3,9 ±0,7	1,5 ±1,0	4,1 ±0,5	1,4 ±0,5	4,1 ±0,5	1,4 ±0,6
Rechazo entre bandas Rejection between bands Girişler arası izolasyon Rejection entre bandes	dB	>20 TV/SAT >65 SAT/TV					
Desacoplo entre usuarios Isolation between users Yan çıkışlar arası izolasyon Découplage entre utilisateurs	dB	>20 TV >20 SAT					
Desacoplo de conmutación Isolation of switching Anatharma Découplage de commutation	dB	>30 SAT/SAT					
Conmutación de las salidas Switching the outputs Uydu seçimi Commutation des sorties		DiSeqC 2.0 14 V÷ /18 V÷ 0/22 KHz					
Alimentación de las LNB Power supply of the LNB LNB beslemesi Alimentation des LNB		1050 mA / 13 V÷					
Consumo desde el receptor Consumption from the receiver Uydu alıcısından çekilen akım Consommation du récepteur	mA	42 ±2,0 (14/18 V÷)					

MULTICONMUTADORES - MULTISWITCHES- MULTISWITCH'LER - MULTICOMMUTATEURS

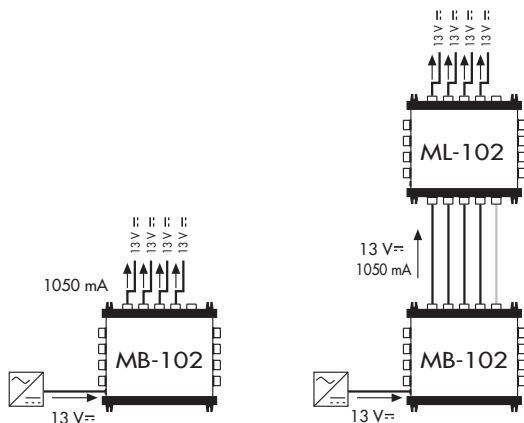
CÓDIGO-CODE-CODE	9130152			9130153		9130159	
MODELO-MODEL-MODELE	ML-105			ML-106		ML-108	
Entradas/salidas/derivaciones Inputs/outputs/taps Giriş/çıkış/yan çıkış Entrées/sorties/dérivations		5/5/20		5/5/24		5/5/32	
Rango de frecuencia Frequency range Frekans Gamme de fréquences	Band	TV	SAT	TV	SAT	TV	SAT
	MHz	47-862	950-2150	47-862	950-2150	47-862	950-2150
MODO PASIVO - PASSIVE MODE - PASIF DURUM - MODE PASSIF							
Atenuación de derivación Tap loss Yan çıkış kaybı Atténuation de dérivation	dB ±TOL	25 ±3,0	-1,0 ±4,0	25 ±3,0	-1,0 ±4,0	25 ±2,0	-1,0 ±2,0
Nivel de salida Output level Çıkış seviyesi Niveau de sortie	dBµV	110 (DIN 45004B)	100 (IMD ₃ -35 dB) 91 (IMD ₂ -35 dB)	110 (DIN 45004B)	100 (IMD ₃ -35 dB) 91 (IMD ₂ -35 dB)	110 (DIN 45004B)	100 (IMD ₃ -35 dB) 91 (IMD ₂ -35 dB)
MODO ACTIVO - ACTIVE MODE - AKTIF DURUM - MODE ACTIF							
Atenuación de derivación Tap loss Yan çıkış kaybı Atténuation de dérivation	dB ±TOL	5,0 ±3,0	-1,0 ±4,0	5,0 ±3,0	-1,0 ±4,0	5,0 ±2,0	-1,0 ±2,0
Nivel de salida Output level Çıkış seviyesi Niveau de sortie	dBµV	95 (DIN 45004B)	100 (IMD ₃ -35 dB) 91 (IMD ₂ -35 dB)	95 (DIN 45004B)	100 (IMD ₃ -35 dB) 91 (IMD ₂ -35 dB)	95 (DIN 45004B)	100 (IMD ₃ -35 dB) 91 (IMD ₂ -35 dB)
MODO ACTIVO/PASIVO - ACTIVE/PASSIVE MODE - AKTIF/PASIF DURUM - MODE ACTIF/PASSIF							
Ecualización de derivación Tap equalization Yan çıkış eğimi Egalisation de dérivation	dB	7	4	7	4	7	3
Atenuación de paso Through loss Geçiş kaybı Atténuation de passage	dB ±TOL	4,4 ±0,3	1,9 ±0,7	4,4 ±0,3	1,9 ±0,7	4,5 ±0,5	2,5 ±1,0
Rechazo entre bandas Rejection between bands Girişler arası izolasyon Rejection entre bandes	dB	>20 TV/SAT >65 SAT/TV					
Desacoplo entre usuarios Isolation between users Yan çıkışlar arası izolasyon Découplage entre utilisateurs	dB	>20 TV >20 SAT					
Desacoplo de conmutación Isolation of switching Anatharma Découplage de commutation	dB	>30 SAT/SAT					
Conmutación de las salidas Switching the outputs Uydu seçimi Commutation des sorties		DiSeqC 2.0 14 V÷ /18 V÷ 0/22 KHz					
Alimentación de las LNB Power supply of the LNB LNB beslemesi Alimentation des LNB		1050 mA / 13 V÷					
Consumo desde el receptor Consumption from the receiver Uydu alıcısından çekilen akım Consomation du récepteur	mA	42 ±2,0 (14/18 V÷)					

CÓMO ALIMENTAR LOS MULTISWITCHES

HOW TO FEED THE MULTISWITCH

MULTISWITCH BESLEMESI

COMMENT ALIMENTER LE MULTICOMMUTATEUR



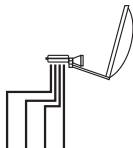
INSTALACIÓN DE LNBS

INSTALLING LNB

LNB KULLANIMI

INSTALLATION DES LNB

QUATRO



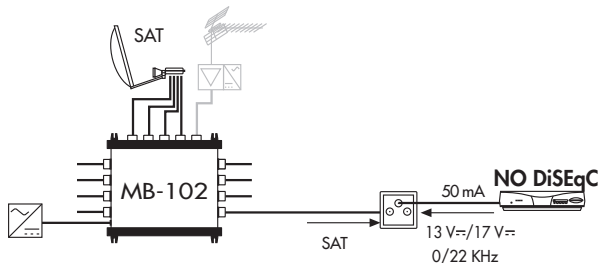
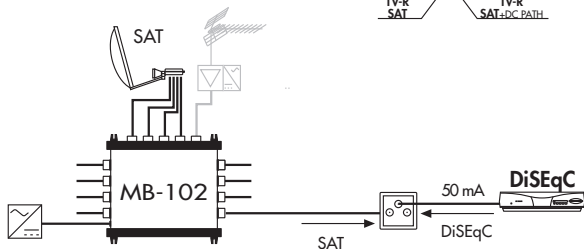
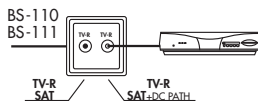
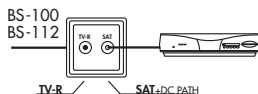
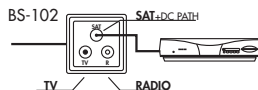
High Horizontal
High Vertical
Low Horizontal
Low Vertical

CONMUTACIÓN DE LAS SALIDAS

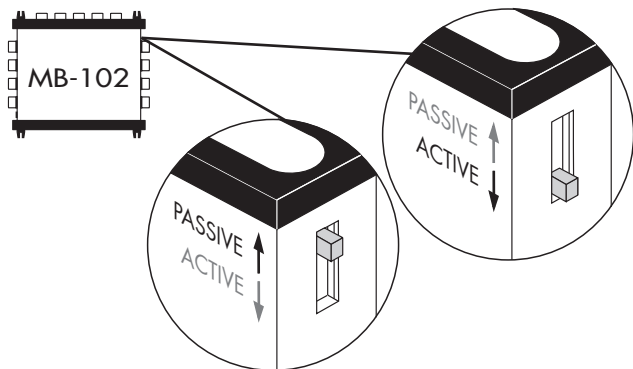
SWITCHING THE OUTPUTS

UYDU SECİMİ

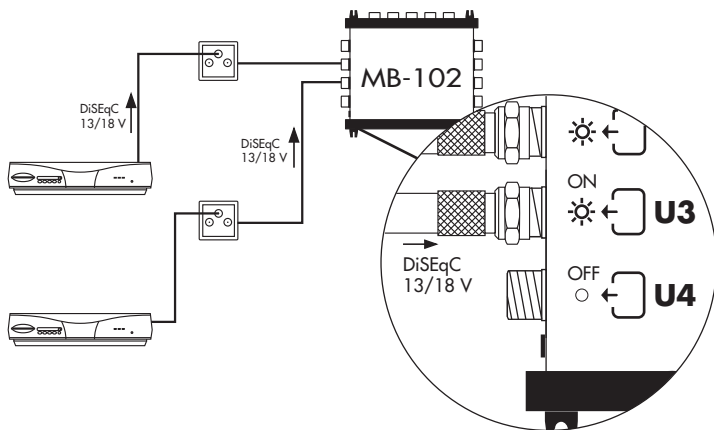
COMMUTATION DES SORTIES



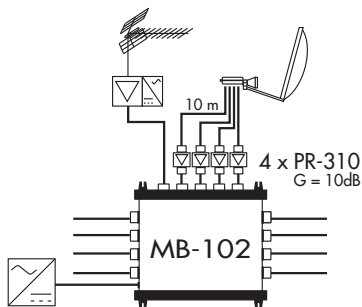
CONMUTADOR ACTIVO/PASIVO
ACTIVE-PASSIVE SWITCH
AKTIF-PASIF ANAHTAR
INTERREPTEUR ACTIF-PASSIF



LED DE CONEXIÓN DE USUARIO
USER CONNECTION LED
ABONE BAĞLANTI LEDİ
LED DE CONNEXION DE L'UTILISATEUR

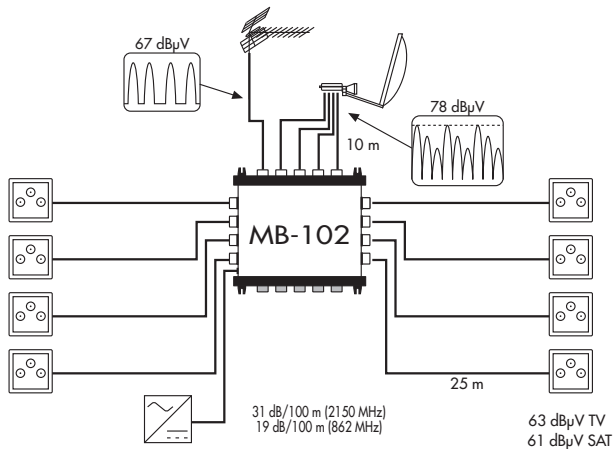


PREAMPLIFICACIÓN DE LA SEÑAL DE ANTENA
 PREAMPLIFICATION OF THE ANTENNA SIGNAL
 ÖN YÜKSELTİCİ BAĞLANTISI
 PRE AMPLIFICATION DU SIGNAL D'ANTENNE

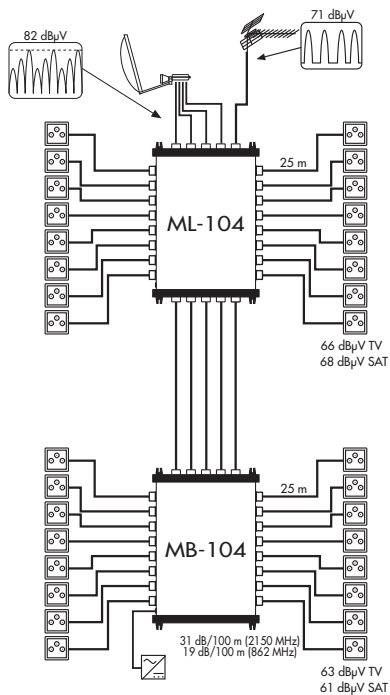


5 x 8

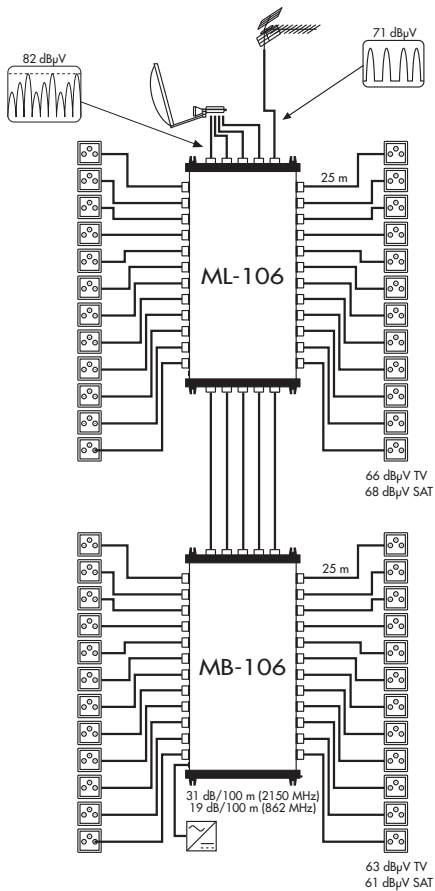
Modo activo / Active mode / Aktif durum / Mode actif



Modo activo / Active mode / Aktif durum / Mode actif



Modo activo / Active mode / Aktif durum / Mode actif



Instrucciones de seguridad

No exponga el alimentador a goteo o proyecciones de agua. No sitúe objetos llenos de líquido, como vasos, sobre el equipo. No sitúe fuentes de llama desnuda, tales como velas encendidas, sobre el equipo. No cubra las aberturas de ventilación del equipo con objetos, tales como periódicos, cortinas, etc. Instale el equipo dejando un espacio libre alrededor para disponer de una ventilación suficiente. Instale el equipo de modo que la clavija de red de alimentación o el conector del equipo sean fácilmente accesibles.

Safety Instructions

Do not place the power supply where water can drip or splash onto it. Do not place objects containing liquid, such as glasses, on the equipment. Do not place sources of naked flame, such as burning candles, on the equipment. Do not block the ventilation slots of the equipment with objects such as newspapers, curtains, etc. When installing the equipment, leave some free space around it to provide adequate ventilation. Install the equipment in such a way that the mains supply plug or the connector of the equipment can be easily reached.

Consignes de sécurité

N'exposez pas l'alimentation à des projections ou gouttes d'eau. Ne posez pas d'objets contenant du liquide, tels que des verres, sur l'équipement. Ne mettez pas de source de flamme, comme des bougies, sur l'équipement. Ne bouchez pas les ouvertures de ventilation de l'équipement avec des objets comme des journaux, des rideaux, etc. Installez l'équipement en laissant un espace libre tout autour de lui afin de permettre une ventilation suffisante. Installez l'équipement de telle sorte que la prise d'alimentation d'électricité ou le connecteur de l'équipement soit facilement accessible.

Especificaciones sujetas a modificación sin previo aviso
Specifications subject to modifications without prior notice
Les spécifications sont soumises à de possible modifications sans avis préalable
