

## LM12™



**EN** Plug-in module for switching and dimming normal light bulbs up to 300W.

- Lights or appliances can be connected to the front of the module.
- Soft start and smooth dimming features, remembers the last dim setting.
- Can be regulated from 0% lighting to the desired dim setting.
- The module responds to the Marmitek X-10 Commands 'On', 'Dim', 'Bright', 'All Lights On', 'Off' and 'All Off'.

**DE** Steckermodul zum Schalten und Dimmen von Glühlampenleuchten bis 300W.

- Auf den Stecker an der Frontseite des Moduls können Geräte oder Lampen angeschlossen werden.
- Ausgestattet mit Soft-Start und Soft-Dimm, sowie Speicher für den letzten Dimmstand.
- Kann von 0% auf das gewünschte Dimmniveau geregelt werden.
- Das Modul reagiert auf die Marmitek X-10 Befehle 'An', 'Alle Lampen an', 'Aus', 'Alles aus', insofern die Einstellung von Hauscode und Sender identisch sind.

**FR** Module de fiche percée pour connecter et mettre en code l'éclairage à incandescence jusqu'à 300W

- Les appareils ou l'éclairage se branchent sur la prise située en façade du module.
- Softstart et Softdim, position de mémoire pour la dernière position code
- Peut être réglé depuis 0% vers le niveau code désiré.
- Le module répond aux commandes Marmitek X-10 "ON", "Toutes lumières allumées", "OFF" et "Tout éteint".

**ES** Módulo de enchufe para conmutar y regular la intensidad de lámparas incandescentes hasta 300 W

- Pueden conectarse dispositivos o luces al enchufe en la cara frontal de módulo.
- Memoria para guardar la última posición de regulación. Softstart y softdim.
- Puede regularse de 0 % al nivel de intensidad deseado.
- El módulo reacciona a los Marmitek comandos X-10 "Encendido", "Encender todas las Luces", "Apagado" y "Apagar todas las Unidades".

**IT** Modulo a presa elettrica per il comando e la regolazione dell'intensità di luce delle lampade incandescenti fino a 300W.

- Alla presa di corrente sul lato anteriore del modulo possono essere collegate apparecchiature e lampade.
- Funzione memoria per l'ultima impostazione dimmer. Softstart e softdim.
- Può essere regolato dallo 0% al livello di luminosità desiderato.
- Il modulo reagisce ai comandi Marmitek X-10 "On", "All lights on", "Off" e "All Units Off".

**NL** Doorsteekstekkermodule voor het schakelen en dimmen van gloeilampverlichting tot 300W.

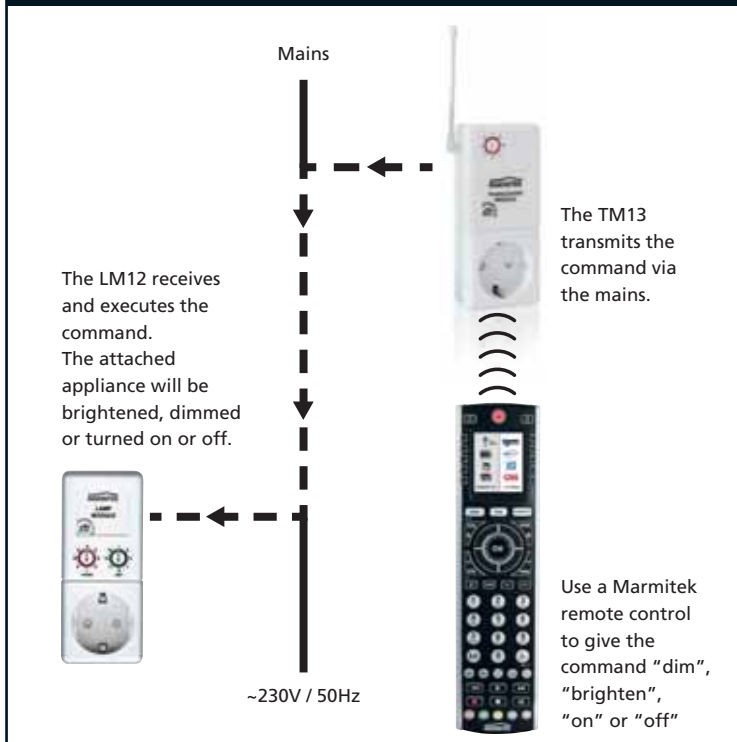
- Doorsteekstekkermodule voor het schakelen en dimmen van gloeilampverlichting tot 300W.
- Op het stopcontact aan de voorzijde van de Module kan apparatuur en verlichting worden aangesloten.
- Voorzien van soft start en soft dim en geheugen voor de laatste dim stand.
- Kan vanuit 0% naar het gewenste dim niveau worden geregeld.
- De module reageert op Marmitek X-10 commando's "Aan", "Alle verlichting aan", "Uit" en "Alles Uit".

# LM12™

The Dimmer plug-in module is a 300W receiver unit that works as a remote dimmer. The connected lamp can still be switched on and off locally. The dimmer function, however, is by an X-10 remote control. The dimmer module can be used at any wall outlet in the house with incandescent lamps between 40W and 300W. As the dimmer is simply inserted into wall outlets like an ordinary plug, there is no installation necessary. Just adjust the settings on the front side to the desired device address (e.g. F9) and note this address down in a list. The lamp connected to the dimmer module can still be controlled locally by its own switch, but do not forget to leave the local switch in the "ON" position, otherwise the lamp cannot be controlled by an X-10 controller. Switch the lamp off by remote control. The LM12 responds to STANDARD X-10 protocols: "All lights on" or "All units off" from any X-10 controller set to its house code, regardless of unit code. Or alternatively, by individual unit control using "On", "Off", "Bright" and "Dim".

- The module is addressed by the two dials on the front, which set the House Code and Unit Code for the module.
- When a load has its own switch, this switch can still be used to turn the unit on. The switch needs to be clicked off and on quickly to turn the module on.

## How it works



## Technical data

Supply voltage	230V ±10% 50 Hz
Supply current	< 0,02 W
Making capacity	40W to 300W (normal light bulbs only)
Dimmer Speed	4.4s from 100% to 0% ±0.2s
Signal sensitivity	15 mVpp min 50 mVpp max at 120 kHz
Input impedance	> 55 Ohm (L - N) at 120 kHz
X-10 transmission	1 puls burst on 0, 60 and 120 degrees.
X-10 key codes to respond to	All units Off, All Lights On, On, Off, Dim, Bright.
When using 3-phase installation	FD10 (three times) or CAT4000 needed
Fuse	F 3A 250V 5 x 20 mm
Ambient temperature	-10° C to + 50° C (operation) - 20° C to + 70° C (storage)

## Also available

Visit [www.marmitek.com](http://www.marmitek.com) for our complete product range.



Plug-in Modules



Transmitters/Controllers



Dimmers/Switchers



Build-in Modules



Din-rail Modules



Micro Modules

## Set includes



1x LM12



1x User Manual  
English, Deutsch  
Français, Español,  
Italiano, Nederlands

## Order information

LM12™	Plug type G	Art. nr. 08910
	Plug type F	Art. nr. 08911
	Plug type U	Art. nr. 08977
	Plug type I	Art. nr. 09051
	Plug type CH	Art. nr. 09248
Plug type W	Art. nr. 09104	
Universal box size (LxWxH)	90 x 74 x 144 mm with euroslot	



