#### **Additional receivers**

Additional modules can be added to provide control from multiple locations. In simple mode as soon as the receiver is powered up it will automatically find and connect to the Transmitter. In advanced mode each receiver must be connected to the same network as the Transmitter.

In simple mode up to 20 Receivers may be used with one Transmitter. In advanced mode the number of Receivers is only limited by the number of IP addresses that can be assigned by your router.



# **KIRA-W**

Operate all of your AV equipment through walls and inside cabinets. The KIRA-W modules will wirelessly extend your infrared signal and let you use your remote wherever you want.

- Control your equipment when its hidden away inside a cabinet.
- Control your equipment from other rooms in the house
- USB powered
- Ultra-fast setup procedure
- Built-in twin high output IR Blaster diodes
- Built-in dedicated high accuracy IR receiver
- Optionally use remote mounted plug in IR receiver or transmitter
- Optionally connect to your own wireless network for range extension
- Optionally add extra receivers



## Box contents:

1 x KIRA-WT Wireless Transmitter module 1 x KIRA-WR Wireless Receiver module 2 x KT9USB USB Power Cables

#### **Optional accessories**

KIRAWR - Additional Receiver module

**IRDW** - Dual emitter wands that can fastened directly to the equipment fascia.

**IRFMR** - Small fascia Mounted IR Receiver

**Panel mount IR receiver** - 30mm visible diameter receiver that can be built into AV cabinets, studded walls and ceilings. Available in four finishes: IRPMR (black), IRPMRW (white), IRPMRB (brass), IRPMRC (chrome)

**KLDE6M** - 1.5m jack cable that connects the IR emitter output directly into the IR receiver input on an IRBKIT distributon amplifier.

For expanded information on the web page options, firmware updates and the latest information please visit the on-line help files at www.info.keene-electronics.co.uk.



www.k2audio.co.uk

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sales@k2audio.co.uk

# Quick and simple setup

Position the Transmitter module such that the IR emitters are pointed towards the equipment you wish to control. If you have several devices inside a cabinet the output should be powerful enough to "bounce around" inside the cabinet and control several items with ease. Connect the power cable to a suitable USB outlet and plug it onto the module. The status LED should start to flash rapidly.

Next position the Receiver module wherever you would like to control the equipment. Connect the power cable to a suitable USB outlet and plug it onto the module. The IP Activity LED should start to flash rapidly. After a few seconds the LED should stop flashing to indicate that it has found the Transmitter module and it is ready to use. Similarly the LED will have stopped flashing on the Transmitter module. Test the operation by aiming your remote at the Receiver module and checking that the equipment responds as expected. Adjust positioning if required.

## **Troubleshooting:**

If the LED's do not stop flashing this indicates that the modules are too far apart to establish a connection. Test by temporarily moving them closer together until the LED's stop flashing. It can take up to 30 seconds to indicate an error so do not rush this stage. If they cannot establish a connection in the desired positions consider using the advanced mode to extend the range.



nside a cabinet. e house

ver or transmitter rk for range extension



## Connections



Receiver





Transmitter

<ul> <li>IP Activity LED</li> <li>This will flash rapidly if there is a network connection problem</li> <li>Acknowledge LED</li> <li>Only used in advanced mode</li> <li>Output activity LED</li> <li>This will flash briefly when an IR signal is received.</li> <li>IR receiver window</li> <li>Contains a built-in high accuracy receiver. Aim your remote control here.</li> <li>Reset Button</li> <li>Press once to reboot and preserve settings. Press for two seconds, release and press again for a full reset.</li> <li>Power LED</li> <li>Should be illuminated whenever power is applied</li> <li>External IR receiver socket</li> <li>Optionally connect an external IR receiver.</li> <li>DC input socket</li> </ul>
Optionally connect an external IR receiver. <b>B DC input socket</b> Connect the supplied KT9USB cable to a suitable USB power outlet or use a DC adaptor rated between 7.5v and 9v >200mA

#### ① **Status LED** This will flash rapidly if there is a network connection problem and flash

This will flash rapidly if there is a network connection problem and flash
briefly as IR signal is transmitted.
② IR Blaster outputs
Twin high power IR emitters. Point these towards the equipment to be
controlled.
3 Reset Button
Press once to reboot and preserve settings. Press for two seconds, release
and press again for a full reset.
④ Power LED
Should be illuminated whenever power is applied
③ External IR Output socket
Optionally connect an external IR emitter or to the input of an IR
distribution amplifier.
O DC input socket     O
Connect the supplied KT9USB cable to a suitable USB power outlet or use a
DC adaptor rated between 7.5v and $9v > 200 \text{mA}$

### Advanced mode setup

In this mode each module will be connected to your wireless network. Check that you have good wireless signal strength in the areas you wish the modules to be located.

#### Step 1 - connect the Transmitter

Scan for and connect to the wireless network called K2AUDIO\_AP. The default password is K2AUDIO! (all caps). Once connected enter 192.168.4.1 into your browser address bar. You should now be able to see the web page for the Transmitter module.

Home	Network	Flash firmware update	Reset	Configuration
KIRA-	WT			
Status	s page			
This mo	dule is a: Target			
The cur	The current wireless mode is: an access point			
The cur	rent network name is: K2	AUDIO_AP		
The KIRA-W modules are wireless infrared signal extenders. They can be used in several ways;				
<ul> <li>Plug othe</li> <li>Plug sett the</li> <li>Inte add</li> </ul>	<ul> <li>Plug and play, Simply provide power to the Target Module and Receiver module and they will automatically find each other on their own releaved. Alth your remote at the Target and the infrared signal will be blasted from the receiver</li> <li>Plug and play with actended range. If the plug and play mode does not provide enough signal range, use the retwork the coverage of your withers retwork.</li> <li>Integration with other KIRA modules. Once connected to the retwork they may be used with other KIRA modules as additional largets or receivers to provide counts for multiple locations.</li> </ul>			
Please us read the ir	e the menu options above to construction manual or see www.	onfigure this module and chang info.keene-electronics.co.uk.	ge status as required. For more	e information please
Other K	Other KIRA modules on this network:			
refresh	refresh modules			
Firmware	version 1.03.01			

From the top menu select "network" and click to scan for available networks. Once the list is populated select your wireless network, enter the password then click "connect". After a few seconds you should see a success message and the newly assigned IP for the Transmitter module. Make a note of this IP address.

#### Step 2 - connect the Receiver

You now need to connect the Receiver module to the same network. To do this press and hold the reset button for a couple of seconds then release and immediately depress the button again for a further five seconds. release the button and the module will reboot. Scan for and connect to the wireless network called K2AUDIO\_R\_AP. The default password is K2AUDIO! (all caps). Once connected enter 192.168.4.1 into your browser address bar. This should bring up the web page for the Receiver module.

Select the network tab and scan for available networks. Select your wireless network and enter the password then click "connect" After a few seconds you should see a success message and the newly assigned IP for the Transmitter module. Make a note of this IP address.

Both modules will now be connected to your wireless network. Accessing the web page for each module will give you more information, show the status of other modules on the network and allow you to change some parameters such as host name etc. For expanded information on the web page options, firmware updates and the latest information please visit the on-line instruction pages at www.info.keene-electronics.co.uk

#### Understanding the status/IP activity LED's

These perform two basic checks for you. If these LED's perform a continuous rapid flash it means they cannot connect to a network. If these LED's perform a rapid triple flash this means they are successfully connected to the network but are unable to find an appropriate module to connect to.

The current wireless mode is: an access point				
The current network name is: K2AUDIO_AP				
Click scan to list the available wireless networks				
Scan!				
In case of error or no results please wait at least 10 seconds before trying again.				
Selected SSID:				
Password:				
Select the preferred network, enter password if applicable and click "connect"				
Connect				