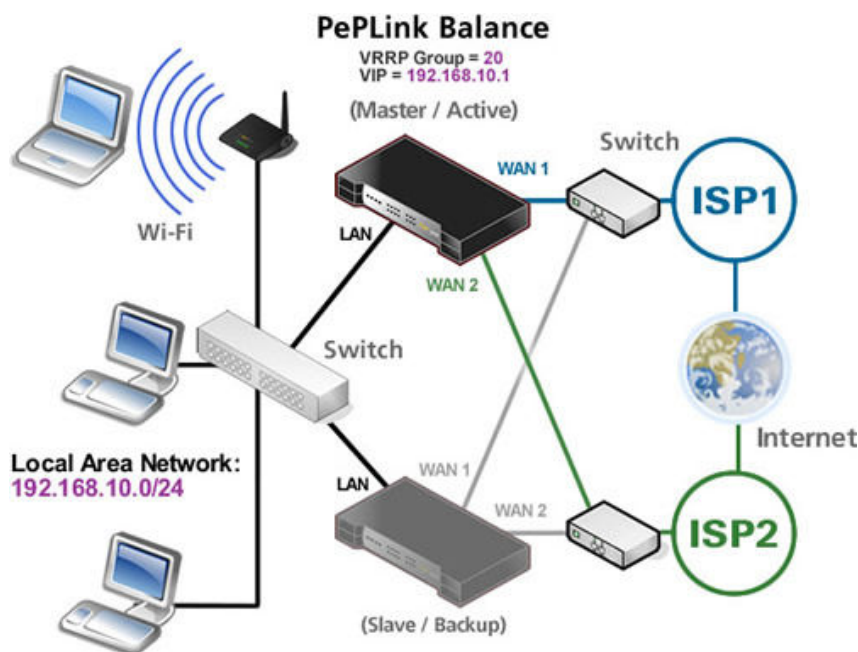


## Peplink Balance Series: High Availability Configuration by VRRP Continuous Failover Support Using Master and Slave Setup

### Background

High availability Mode enables failover to happen when the master device goes out of service. This requires a pair of Peplink Balance devices operating in active-standby mode. When the master device is down, the slave device takes over and handles all the LAN traffic.

Peplink Balance series supports failover between two Balance devices based on Virtual Router Redundancy Protocol (VRRP). Periodic VRRP advertisement packets are sent out from the master device to VRRP-specific IP multicast addresses. The slave device assumes the master device's responsibilities when these messages have not been heard from for a pre-defined time interval.



### Achieve Ultimate Network Uptime with Peplink Balance

In the above example, a VRRP Group 20 is assigned to the HA pair. The virtual IP address (VIP) 192.168.10.20 is the default gateway for all hosts sitting on the LAN segment. A unique VRRP group identifier is used for each HA pair subsequently set up on the same LAN. Balance devices have to be on the same subnet to support VRRP and the same VRRP group identifier must be used on the HA pair.

Additional Ethernet switches are required to separate each ISP connection so that Master and Slave Balance devices can both be connected. More than one Ethernet switch must be used in order to prevent a single point of failure, which would otherwise defeat the purpose of the High Availability concept.

## Easy Configuration: Just a Few Mouse Clicks Away

Example: VRRP for active/standby configuration

1. **Network > Misc. Settings > High Availability:** Select Enable
2. Enter the following and then click **Save**:
  - a. Group Number: *(use the same number for HA pair)*
  - b. Preferred Role: *(select master or slave)*
  - c. Virtual IP: *(select an unused IP)*

Note: VIP and LAN Administration IP have to be from the network.

High Availability Setup	
High Availability	<input checked="" type="checkbox"/> Enable
Group Number (1-255)	<input type="text"/>
Preferred Role	<input checked="" type="radio"/> Master <input type="radio"/> Slave
Virtual IP	<input type="text"/>
LAN Administration IP	192.168.1.1
Subnet Mask	255.255.255.0

3. Repeat the same procedure for the slave device and your VRRP setup is finished. The failover takes place with a typical recovery time of 10-15 seconds.

**Disclaimer: This how-to document may not contain the most up-to-date information. Please refer to the User Manual for official product information.**