Synergy 21 N°3653

Lightcontroller 21 LED RGB-ww Master Set

**POWER ACT**

1 Taster

2 Taster

3 Taster

Reset

LAN

**SYNERGY 21**

3653

Zone 1

Zone 2

Zone 3

Console

USB

**Input**

12V .... 24V

**WLAN**

○ LAN

○ WLAN

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KURZANLEITUNG

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Bitte prüfen Sie die Verpackung und den Inhalt auf Schäden:

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Sie dürfen das Gerät auf keinen Fall in Betrieb nehmen, wenn es beschädigt ist. Wenden Sie sich im Zweifelsfall an unseren technischen Kundendienst.

Verpackungsinhalt:

• 1x Synergy N°3653 LED RGB-ww Lightcontroller Master
• 2x Synergy N°3654 LED RGB-ww Lightcontroller Slave
• 1x 12V/1A Netzteil für Master
• 3x Netzwerkkabel
• Kurzanleitung
Anschlüsse Master:

- 3x Taster-Eingang
- 3x RJ45 für Anschluss an Slave
- 1x LAN/W-LAN
- 1x Console
- 1x USB Anschluss für Plugwise/Enocean etc. Adapter
- 12/24V Stromanschluß für Master

Anschlüsse Slave:

- 1x RJ45 In für Anschluss an Master
- 12/24V Eingang, max 10A
- RGB-W1-W2 Ausgang für 12 oder 24V LED-Produkte

Anschlüsse Hub:

- 1x RJ45 In
- 8x RJ45 Out
Mit einem optional erhältlichen Slave kann die dritte Zone angebunden und versorgt werden.
Anschalt-Beispiel (Ausbaustufe mit optionalem Hub)
Sicherheitshinweise
Beachten Sie unbedingt folgende Hinweise:

- Öffnen Sie niemals das Gerät
- Führen Sie niemals eine Installation während eines Gewitters durch
- Stellen Sie sicher, dass Leitungen stolper- und trittsicher verlegt werden
- Setzen Sie das Gerät im Betrieb niemals direkter Sonneneinstrahlung aus
- Betreiben Sie das Gerät niemals in der Nähe von Wärmequellen
- Stellen Sie das Gerät niemals auf Oberflächen, die wärmeempfindlich sind
- Schützen Sie das Gerät vor Nässe, Staub, Flüssigkeiten und Dämpfen
- Verwenden Sie das Gerät nicht in Feuchträumen und keinesfalls in explosionsgefährdeten Bereichen
- Verwenden Sie zur Reinigung keine lösungsmittelhaltigen Putzmittel, sondern lediglich ein weiches, trockenes Antistatik Tuch
- Reparatur darf nur durch geschultes, autorisiertes Personal durchgeführt werden
- Bei nicht bestimmungsgemäßem Gebrauch ist eine Haftung durch SYNERGY 21 ausgeschlossen

Aufstellungs- und Montageort
Allgemein:

Der SYNERGY 21 N°3653 IP Kontroller darf nur in trockenen Innenbereichen verwendet werden. Sorgen Sie für ausreichende Belüftung. Der Einbau hat so zu erfolgen, dass die Kabel (Netzwerkkabel und Anschlusskabel) nicht unter Zug sind, da diese sich sonst lösen können.
2. **Standardwerte:**

| IP-Adresse | 192.168.0.100 |

### Zurücksetzen auf Werkseinstellungen

Für den Fall, dass Ihr SYNERGY 21 N°3653 durch fehlerhafte Benutzereinstellungen oder ein vergessenes Passwort nicht mehr erreichbar ist, können Sie über nachfolgende Reset-Prozedur alle Einstellungen im Gerät wieder auf den Auslieferungszustand zurücksetzen (alle Einstellungen und Werte gehen dabei verloren):

1. Gerät stromlos machen.
2. Mittels eines nichtleitenden spitzen Gegenstandes (z.B. Zahnstocher) die RESET-Taste drücken und gedrückt halten
3. **(Der Knopf muss gedrückt bleiben!).**
4. Den SYNERGY N°3653 nun wieder mit Strom versorgen und ca. 45 Sekunden warten.
5. Erst jetzt die Reset-Taste wieder loslassen.

Jetzt ist der Reset-Vorgang abgeschlossen und alle Einstellungen sind wieder im Auslieferungszustand.

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3. **Anpassen des SYNERGY 21 N°3653 an Ihr Netzwerk**


d. Wenn Sie nun im Webbrowser (Firefox, Chrome, etc.) die Adresse 192.168.0.100 eingeben, erscheint die erste Seite zur Spracheinstellung des SYNERGY 21 N°3653:

e. Wählen Sie die gewünschte Sprache im Dropdown-Menü aus und speichern Sie Ihre Einstellungen ab. Automatisch werden Sie auf den nächsten Konfigurationspunkt weitergeleitet.
**Statisch:** Die IP-Einstellungen können hier manuell festgelegt werden.
**DHCP:** Der SYNERGY 21 N°3653 bezieht automatisch eine IP aus dem Bereich Ihres Routers.
Bestätigen Sie die Einstellungen mit „Eingaben speichern“. 

h. Es erscheint nun eine Seite mit den Zeiteinstellungen. Hier können Sie einen eigenen Zeitserver definieren, die bereits eingetragenen Zeitserver verwenden oder die Zeit manuell einstellen.
i. Speichern Sie Ihre Einstellungen mit „Eingaben Speichern“ ab.
4. **Prüfung auf Updates**

Nachdem Sie die IP-Konfiguration durchgeführt haben wird empfohlen die SYNERGY 21 N°3653 auf die aktuellste Software Version zu aktualisieren. Navigieren Sie hierzu zu Konfiguration -> Update Einstellungen. Wenn Sie auf „Update Prüfung“ klicken erhalten Sie entweder die Meldung

a. Es wurde keine neuere Version gefunden

oder

b. Update installieren

Führen Sie die „Update Prüfung“ mehrmals durch bis Sie die obige Anzeige erhalten.
5. **User anlegen**

Damit nur Sie Zugriff auf die Konfigurationen der SYNERGY 21 N°3653 haben, sollten Sie ein Admin-Konto konfigurieren.

Begeben Sie sich zu Konfiguration -> Web Server und Benutzer.

Hier können Sie nun einen Admin-Benutzer und einen normalen Benutzer anlegen. Der Admin-Benutzer hat vollen Zugriff über das Webinterface, während der normale Benutzer nur die Hauptseite sehen und bedienen kann.
6. **Access-Point Konfiguration**

Sie können die SYNERGY 21 N°3653 auch als eigenen Zugangspunkt konfigurieren.

Unter Konfiguration -> WLAN Einstellung können Sie die Einstellungen für den Access Point-Modus tätigen.

**SSID:** Hier können Sie einen beliebigen Netzwerknamen eintragen. Dieser Name wird beim Scannen des Netzwerks angezeigt.

**Kanal:** Hier wird der Sendekanal ausgewählt.

**WLAN Auth Mode:** Hier können Sie den Verschlüsselungsmodus wählen. WPA2PSK-AES wird empfohlen.

**Chiffrierschlüssel:** Hier können Sie einen beliebigen WLAN-Schlüssel eintragen. Dieser wird beim Verbinden mit dem SYNERGY 21 N°3653 erfragt. Verwenden Sie ein sicheres Passwort mit mindestens 8 Zeichen.

Bestätigen Sie zuletzt Ihre Parameter mit „Eingaben Speichern“.

Die Eingaben werden übernommen. Dieser Vorgang dauert 120 Sekunden.
7. Wireless-Client Konfiguration

Sie können den SYNERGY 21 N°3653 auch mit einem bestehenden WLAN-Netz verbinden.

Unter Konfiguration -> WLAN Einstellung können Sie die Konfigurationen für eine WLAN Anbindung tätigen.


Es werden alle in der Umgebung vorhandenen Netze angezeigt. Selektieren Sie Ihr Netz und betätigen Sie die „Wählen“-Schaltfläche.


Das Gerät ist dann über die eingestellte IP-Adresse erreichbar.

**WICHTIG: Nachdem die 120 Sekunden vorüber sind müssen Sie das LAN-Kabel entfernen, um einen Netzwerkkonflikt zu vermeiden.**
**HINWEIS:** Das WLAN-Netz mit welchem Sie sich verbinden darf kein LEERZEICHEN in der SSID enthalten. Es wird sonst keine Verbindung aufgebaut.
8. Master Funktionen

Mit dem Synergy 21 N°3653 Master können Sie bis zu 3 Kanäle mit jeweils bis zu 5 Farbkanälen (RGBWW) individuell steuern.

9. Kompatible Verbraucher

Die angeschlossenen Verbraucher (LED Streifen, Einbaustrahler, etc) lassen sich über 12 oder 24 Volt und bis zu maximal 10 Ampere versorgen. Die Möglichkeit Verbraucher mit unterschiedlicher Spannungen bis zu einem Gesamtverbrauch von 5.760W bei 24V und je 1 Hub pro Zone zu integrieren ermöglicht eine flexible und bedarfsgerechte Beleuchtungslösung.

10. Farbkanäle


Mit Hilfe eines zwischengeschalteten Hubs lässt sich die maximale Anzahl pro Kanal auf 8 Verbraucher erhöhen. Es stehen so maximal 24 Slaves zur Verfügung.

Der Master verwaltet alle 3 Zonen zentral über seine Weboberfläche und ermöglicht so eine individuelle Steuerung.

Die einzelnen Zonen lassen sich auch zeitlich steuern und ermöglichen so eine bedarfsgerechte Steuerung der angeschlossenen Beleuchtung.

Es können auch individuelle Farbprogramme erstellt und abgespeichert werden, und diese mittels Zeitsteuerung gestartet werden.
11. Integration in ALLNET Gebäudesteuerung

Zusammen mit weiteren Produkten aus unserem Gebäudesteuerungs-Portfolio lässt sich der Synergy 21 N°3653 Controller in erweiterte Automatisierungs-konzepte einbinden.

So ist zum Beispiel über den 0-10V Dimmer eine effiziente Lichtverteilung möglich. Hierfür benötigen sie den ALL3419 mit dem Dimmer ALL4460. Der Dimmer ALL4460 besitzt neben der 0-10V Dimm-Schnittstelle außerdem ein Relais um die angeschlossenen Verbraucher bei Dimmpunkt 0 auch vom Stromnetz zu trennen.


Mit dem ALL3419 sind auch weitere Automationsszenarien realisierbar, wie z.B. temperaturgesteuerte Lichtszenen (Sensor: ALL3006) oder Luftfeuchtigkeits-Szenen (Sensor ALL3018).

Prinzipiell lassen sich alle Sensoren der ALLNET MSR Serie für die Lichtsteuerung verwenden.

Zusammen mit dem ALLNET Gebäudesteuerungsportfolio lässt sich so die Funktionalität des Controllers noch deutlich erweitern.

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