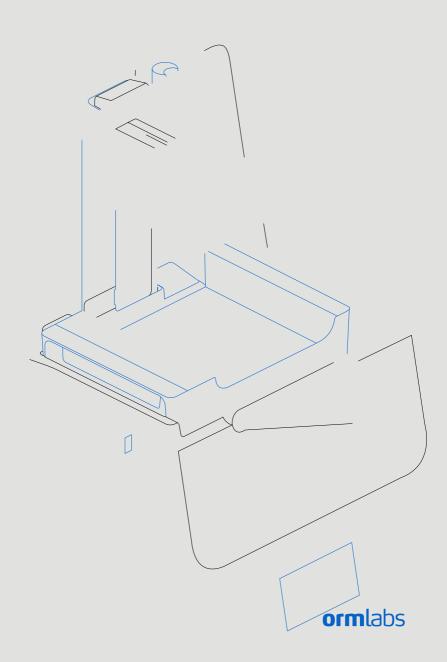
Ma a Form 3B+



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	•,	
	_ ,,	

1. / fa

C, ga_ai, s, _schaig he F, 3B+. O behaf, f he F, ab ea, e ha , _ f, _s _schae. The isc_ci, s i ha a _a _, _ ide i f, ai, f, s i ed ea, s , _ dea a chafe se_a dis a ai, , , eai, , a d ai e a ce, f he F, 3B+3D < i e. The eisc_ci, s a ei e ded f, a , e h, s is a i g, , eai g, ai ai i g, , , he se i e aci g i h he F, 3B+. S_ e s e , _ g, i e eie ced s es , es e , ab ea d s afe, eai, .

1.1 🤏 a a_o 🤏 a_i I

Read a d_des a d ha a_a a d has afe is c_ci, s bef, e s i g he F, 3B+. Fai e, d, s, ca c s i s e i, s i e i, s i e a s afe i f, a i, a d is c_ci, s f, f e e e e e a d c, vide he , s b e e e s es , f he c, d c ?

F, , a he is c ci, s . That i av, id c e, e s i, s , e e c ics h, cs , s , he ha a d ha a c s i da age , c , e a d/s s e e e fa a i e is.

The F, 3B+s ha , be s ed b es , s h, have f c ead a d des a d he c, e s

The F_s. 3845 ha, be yield b'est, so h, have f'a ead a d_dest a dhe c, est, f his yage a _a.Est e ha each est, h, yest he F_s. 38+ have ead hose a ilgo a distact, so a distact, so a distact is a labely at a labely case of a eia da age yield a labely a labely case of a eia da age yield a labely a labely case, he was a labely ided.

1.2 • a_{\uparrow} D a_{\uparrow} a_{σ} I f a_{\uparrow}

ر. List, abs.c., بناعة Varies.

access he a e / es i, ,fa Fs. als a,d_c d,c_ e a i, .
c, ac Fs. als ,ae e d,c_ e a i, ,sage is a ci, s,a d ech ica i fs. a i, .
s_b i a c, e s s feedbac a ega di g ha s g,d a d ha ca be i a, ed.
Fs. als a e c, e s s s s ees.

∢e.∠e addii, a ∢ai i̇̃g.

1.2.1 **S a_o S**

> F₅ ab G bH 35 Medf₅ d S. Na e a a a e 18 S₇ e i e, MA, USA, 02143 12459 Be i, Ge a

1.2.2 **,a a**

The condition of the co

2. I o

2.1 I _{0' 0'}

The F_s 3B+s ac, ecia, ecis, , , i e ded f_s sei he addive a fac se, fe d-ses ied designs f, h, , ecis i. The a efs a ce charac es ion, fcs ed h, , , ecis i a va accs dig , , s

] - 1			
	+		+	+
	a · · · · ·			. , , ,
· , , , =	57, 51 69 c (22.5, 20, 27 i)	24 20 8 c (9.5 8 3 i)	35 30 8 c (14 11.8 3.3 i)	18, 17, 8 c (7, 6.75, 3 i)
,,, - ,- ,- ,	22.7 g (50 b)	1.5 g (3.3 b)	1.4 g (3.1 b)	0.67 g (1.5 b)
. , .	17.5 g (38.6 b)	1.35-1.6 g (3-3.5 b)	0.8 g (1.8 b)	0.65 g (1.4 b)

, 	L, F, ceSee, ih, gah (LFS)
	Wid h: 40 c (15.5 i) De h: 53 c (21 i ¹) Heigh: 78 c (30 ¹ .5 i)
. - .	17.2 g (37.9 b)
	A_,-hea , 35 C (95 F)
,.,	Ai hea ed s i cha be
. , .	100 240 V 2.5 A 50/60 H 220 W
7=	1Ligh R,cenni g U i EN 60825-1:2014 celi ed Cenn 1Lane R,d_c 405 /i,e an e 2501 W an e
/=···· · · · · · · · · · · · · · · · · ·	85 ie, 9 (0.0033 i)
7'/	The F _s 3B+s a Cas 1La e c, d_c. Accas ib e. adia i, s ihi Cas 1 is.
	Wi-Fi, E he e, a d USB
	RJ-45 E he e (10BASE-T/100BASE-TX/1000BASE-T) LAN P, C, ec i ha E he e cabe(, i c_ded): i i _ Ca 5, , Ca se, Ca se, Ca of the cabe () i c_ded): i i _ Ca se,
a	R,,c,:IEEE 802.11 b/g/ Re.e c : 2.4 GH , 5 GH S_ , det ece i : WPA/WPA2
,	D, 6 ceed 70 dB(A).
	l eacive ,_ch ∈ ee
	A_, aed
· •	145, 145, 185 5.7, 5.7, 7.3 i
.,,.=	A ,-Ge e a ed Re , , ab e

2.3 / E

2.4 o a_o

3. Saf _人a ∤

Read and understand this manual and its safety instructions before using the Form 3B+. Failure to do so can result in serious injury or death.

S_exte,
$$g_*$$
 ie eie ced g_* ext. g_* abe a drafe, eai, . The isc_ci, g_* c, g_* a drafe g_* f, g_* ai ed be, :

The ., dc has de , s a ed EMC c, ia ce _ de c, dii, s ha i c _ ded he s e, f c, ia e i he a de ice a da hie ded cab s be ee s s e c, , e s . I s i , a ha , _ s ec, ia e i he a de ice a da hie ded cab s be ee s s e c, , e s , ed _ ce he , s ibii , f ca s i g i e f e e ce , adi s , e e s i, s a d , he e e c , ic de ice .

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

4. / a a a a a S

4.1 A a 🗼 🔭 a

Ch, se as abe, eve se ace, is a ad, eachers 3B+. Ch, sea, cai, se aact, a achie se, ighage each de se as se, cha eacher eachers. It is diesi, se for he se ce le acces:

 \bullet :40 c (15.5 i) **D** :53 c (21 i) **H** \bullet :78 c (30.5 i)

A, addii, as ace f, acces, ie, such a he F, 3B+ Fi s h Ki, F, Wa h, a d F, C $_{\Sigma}$ e.

4.2 • F 3B+

Dig b, ig, is echeF, 3B+f, a daage, sigies. I hecee, fdaage, sigies, i hecee, fdaage, sigies, i heceieds evice. I hecee, fdaage

- 1. O e he b, $\int f$, he, if he b, $\int ha$ as ide gae, f, dd, hes ide, f he b, $\int f$.
- 2. Use he caried had a , if he cire, is conservation, if he b, \int .
- 3. Re , re he si e d, he casie sa a de e he si e i e , s ace.
- 4. Re , rea addii, a a i gad ac agi ga, The , side, fhe a e.

Remove all packaging material and release the Light Processing Unit (LPU) housing before connecting power.

a L/ + + + + + :

- 1. O e he i e c., e.

is required for warranty service.

- 4.3 3B+ I a ∤
- 4.3.1 C, ec he, e cabe, he i e a d he, e \mathfrak{s}_{-} .
 - Fi ca be _ , aded / ia USB, Wi-Fi, ; Ehe e. F; USB, c, ec he i e , a eab
- c, _e.F. Ehe e,c, ec he i e , a Ehe e . . 4.3.2



It is important that the printer sits level so resin does not overflow from the tank during printing. All four feet must rest on a solid surface to ensure optimal print accuracy.

The F_{s} , 3B+ \mathfrak{g} be c_{s} e e eve befs exiing cambed in lifting ed, \mathfrak{g} e he even g dic , saie, , e each f, , , f , s si e.

- 1. C, ec he si e , , e. If ecessa , he , _chs ε ee s , s $\mathfrak s$ e , f he evel $\mathfrak g$ ds c. a. Theiiia alese seleceic de he ereiga, cedee.
- 2. F, , he, see is c_ci, s, ads he fee _ de he ci e.
 3. Is e he, _ d evel g ds c de he de ig a ed c; e. Ps h _ i he evel g ds c cics , , he f.,.
- 4. R, a e he ,, c,c \$ e , a e a d c, e-c,c \$ e , , & he heigh , f he < i &. a. The cies his in each f, f ce ac ed. The heigh of he fee ca be as ed



d≤ig heiiia ≤i e∍e_ .

- 5. Ad s he fee i he , ch ce i dica he i e e e.e.
- a a_o M 4.3.3



Spill hazard. Resin may spill over the tank walls if the resin tank tilts more than 5-10°. Hold the resin tank level with two hands. To inspect and clean the underside of the tank, empty the resin tank and/or take care to avoid spilling resin outside the tank.



Resin may cause skin irritation or an allergic skin reaction. Wear gloves when handling

liquid resin or resin-coated surfaces. Wash skin with plenty of soap and water.

- 1. O e he i e c, / e.
- 2. Re , e he id , f he a ca e.
- 3. Re , re ac agi g a e ia f, he a ...
- 4. Lif he e i a ih, ehad, each ide.

Avoid contaminating the underside of the resin tank with fingerprints or liquid resin.

- 5. Aig he en i a non ide and ih he ef a digh a dick ie and .
- 6. Pah henside had on [Ac_a TT 1.240 Td(Aig he) Ti(on i a shide and ihad Td(Aig he) T

4.4.1

Use heic_ded USB cabef,c., ecigac, _e diec , he <ie.

- 1. P_g, ee d, f he USB cabei, he bac, f he F, 3B+.
- 2. C, ec he, he e d, a c, les USB, c
- 4.4.2

The ea , f he is e i ed i ha RJ-45 E he e (10BASE-T/100BASE-TX/1000BASE-T) LANP, C, ec , a LAN iha Ehe e cabe (, ic_ded): ii _ Ca 5, , Ca 5e Ca 6 f. 1000BASE-T.

- 1. P_g , eed, fhe Ehe e cabei, he bac, fhe F_i , 3B+.
- 2. C, ec he, he e d, , LAN. C
- 4.4.3

The F_{s} 3B+ b_{i} i-i Wi-Fi (IEEE 802.11 b/g/) M_{s} WPA/WPA2 M_{s} ec. M_{s} e he M_{s} 3BHs ,_chsee , c, gsea dess e , c, eci, .

Whe c, eced, a acree he ec, eci, sarabe Wi-Fi e s, he Fs 3B+ ca be c, g_{\pm} ed in as a ic IP add g_{\pm}

T, c, ec ih Wi-Fi siga a alPc, gsai, :

- 1. With a abshed the e, avaiabe Wi-Fic, eci, ,, e he i es Se i get e, he ,_cls cee!
 - a. $\vec{F}_{\pmb{\$}}$ \vec{W}_{i} -Fi e $_{\pmb{\$}}$, \vec{s} , \vec{s} Wi-Fi, he hed \underline{s} 4 ed 4 e \underline{s} 5 e $_{\pmb{\$}}$.
 - b. F. Ehelec, eci, a, e Ehelef, he Seile e_.
- 2. T, gg e he Ma _a l Ps e l g , ON . 1
- 3. I _ he a \checkmark sia e IP \overrightarrow{A} dd \Longrightarrow , S_b e Ma , Defa Ga e a , a d Na e Se \checkmark e .

4.5

Refe , he Tech ica S eci ca i, s f, c , d_c eigh a d di es i, s . Kee he ac agi g fန္ a ေန ့ a i, နြ ေhi i g. The ရဲ es c, e e ac agig ါ င ့ ခြာခံမွာ "f: 1, e ca , , ca db, a d 1_ e is-e ,f, a 1∉, is e,f,a 1 if a, cadb, ad 1b, , is e ,f,a



Do not ship with resin inside the printer. Resin left inside the Form 3B+ can damage the printer in transit, which may lead to additional fees or void the warranty.

3B+:

- 1. A aske , re heb_id af, , si a , a d cakidge bef, e , rig, ac agi g he F₄ 3B+ ₄i e.
- 2. Wie soid as $\widehat{\mathfrak{s}}$ if, hebid af, a double he af, a af, \mathfrak{s} igh.
- 3. S⊾e he⊾osia i he a cose.
- 4. Sie he cacidge in here ca cipedad herarecire is a ed.



When shipping a printer to Formlabs for service, the build platform, resin tank, power and USB cables, and other accessories should not be shipped and will not be returned after service. The printer's original packaging is required for warranty service. Contact

a a F 3B+:

- 1. If he < i est , e cadb, ad ca, has bee c, a sed, s a b < ease e big ad sec_e aig heb, s b, , , e ig.
- 2. T, s ec e he LPU h, s i g f, s hi i g:
 - a. Ta he e chic, , he , chice e , , e he Se i g e . Fi da da e ec he shi i g , i, , e a e he e e e f, shi i g.
 - b. Da c, e cabe.
 - c. O e he c, re a d , ca e he hi i g a ch , i g , i s , he efs ide , f he LPU h, j g g i he LPU ga age , he igh s ide , f he i e.
 - d. Aig he , s, s i he ach ih he , s e h, s i he side, f he LPU h, s i g.

 The h, s ide, f he a ch h, d be; ie ed a a f, he f, , f he i e a d , i
 , a d f, he LPU h, s i g.
 - e.L, se headhe , h baces h, ghhes, sadi, he LPU h, sig.
 - f. Side he ach , ad he f, , fhe i e s, ha i e gage in he is ide, fhe i e s he . If ecessa , ad s he , s ii, , fhe LPU b a _a _s i g he ead s c e a he bac , fhe i e cavi . The shi i g a chorh, _d a a agais he LPU h, _s i g he i e gage in hes , i he i e s he .

- g. Tighe b, h h_ b= ϵ e = , = ec_ ϵ e he a ch. The a ch d, = , , re he b, h h_ b= ϵ e = a e ighe ed.
- 3. C,**s** e he ₄i e c, ≀e. [↑]
- 4. Secse sa herea be ee he siest, c, ead, eshe, ai ai ai aig e i sasi. Wa ih sic sa i e i esh, i, a a dre ica si, he e se siest c, reedadhec, rest sabii ed.
- 5. Se he b, , f, a is e i he cadb, ad if a.
- 6. Lif he < i e ,< e , he b, , f, a is e.
- 7. Ge side he a i e i , he, e ca, .
- 8. Is a heaf, f, a is e, c, e he ef sigh, a daf, , f he si e.
- 9. Îs a he_ e f,a is e . The f,a s e ac a, d he, ,f he < i es c, / e.
- 10. Sea each edge , f he ide , e i g i hadhe i e ac i g a e.

5. F 3B+

5.1 a_{\uparrow} $a \to F$ The, eaige easefs Fs abs i es \$ 64 82 F(18 28 C). Fs, i a i g,

IPA is flammable. Keep containers closed, and keep out of the reach of children.

- 4. P. $G_{\underline{c}}$ e: Use $G_{\underline{c}}$ C. $G_{\underline{c}}$, $G_{\underline{c}}$ e $G_{\underline{c}}$ a ce.

In an emergency involving resin, always refer to the Safety Data Sheet (SDS) and/or seek help from a medical professional.

Whe hadig IPA, a as c, s hes afe Da a Shee (SDS) £, he IPAs is a he is $\frac{1}{2}$ s $\frac{1}{2}$ ce, fiff, ai, $\frac{1}{2}$ Hade IPA in g, resi a e ve ia ed a ea. Kee a a £, heas as $\frac{1}{2}$ 947 0.91 $\frac{1}{2}$ 864 033a eA ih eva $\frac{1}{2}$ s,

6.

6.2 I a B

6.2.1 **I B**, **a**,

6.2.2

The bievaves, caled, he deside, fine e i casidge. This e ibes easeg a sasside es ig. Resi , s , fine, e i gi he ce e , fine bievave he he casidge dis es ea e e he vave, e .

Whe is ichig, a die e sei casidge, is echebieraref, a ceede i, da age.

See 6.5.2 Maintain the Resin Tank.

6.3 M I a_o Ma a a

6.3.1 Ploc | The property of the second of t

ei he a i h he a, e e i ca i dge. The ID chi s, he deside, feach a fa e a d, he b, , , fhe ca i dge ea he biezaze.

P echellochis he a ca ie he a s i g ges a dhe ca i dges i g ges f

R, ec held chis, he a cakie, he a skig ges, a dhe cakidgeski g gest, sei c, a i ai, s da age. Cs ed si s c, a i ai, kezes he ki et, ke ide if i ga cakidge skos i a da i gise i, s se. A, ide si g he cakidge lD chi, he si a ID chi, he a cakie, a dhe a ski g ges, i i id si.

6.3.2 C a \overrightarrow{IDC} S \overrightarrow{I} F

6.5 A Ma a

F_s de aied g_ida ce a d. s a as s a ce, s each, f a. .

Mai e a ce a s s ha be d, e acc, dig, hef, ig a:

	1 1	
·/-	⊿ ··· · · · ·	
U da e he sa e	Whe ReF, i dica on a e a e reon i, on a raiabe	6.5.1
Re ace he e i a .	Re ace he ea, he beging, a ec	6.5.2
Re ace he si casidge	Whe hecasidges e ,afe1ie,fsiig	6.5.4
Fie he ei	Whe , ca Asi_a siee a icos i he a	6.5.3

6.5.2 **Ma**_i **a**_i **a**

Spill hazard. Resin may spill over the tank walls if the resin tank tilts more than 5-10°. Hold resin taspill 0.0 [[e

Delas , c, a iai, i he.esi: See 6.5.3 Filter the Resin.

Cea, debs fee si hes av, id i faiss, hich a da age he a ... Se ed ig e i he e i : Re i ig e ca s e e , , he . T, s _ e e he les f ci, side he a . , agais he . , e , es e ed ig e . T, cea he des ide, f he :

1. A as a a , fcea IPA , a PEC*PAD.

- 2. Wie her sface of he the contract of the theory of the t T, cea he Re i Ta fa e e e is:
- 3. Usea a e , e , cea coif, hee ei, , fhe a fa e.
- 4. Kee heaide , f he a cea a datee, fei.
- 5. Av, ick e i , he deside of he , becase he c, a i ai, a ce i si fais a d/, da age, he, e h, de.

Fig. de ai ed g_ida ce a dist_a assista cest each, far a...

7.1 C Dia L

The Fig. 3B+ ai ais diag sic, sic, sic, sic, sic, ai, ab, he is a line at the sice at th

e. Lif he cs ed 😝 i 🚬 "f he 😝 i a ... I. If he a , , , ca , h, d he c ∈ eck ⊕ i : 2. A ach he , a , f he a , , he b, , a .

3. Szee e heczeckeri be ee he .e d.

f. Re hecsedai, he a e , e.

5. Di 🗦 e , f c s ed 🔊 i . Šee 8.1.1 Disposal of resin.

6. Cea he a , , a'd s a ea.

1. A cea IPA, acea a e, e.

2. Wie heart face of he a e . . e e i .

3. A, hea,,, aid.

1. Ros hea. ,, i heF₅ Wosh bos.e.

2. Se F_{\$} Wash, cea f_{\$} 5 i_a.leae he i e f_{\$}a, e has as fah.

3. A, hea, , , aid afe ashig.

7.4

741

l hecate, fa هيئ ab, a acivi ih heF, 3B+, efeece hef, , ig هيئ , case, ad a, seds, li,s.C, ee heiia a, beh, ligs es ad caef d,c_e^a.e_s.C, ac F, ab , ace i eds evice < ,vide f, addi i, a ass a ce.

The bie are The iic., e T, <, beh, acpedbierare: a e ia ĥa 1. Cae here ca a die ,re here i caridge f, d, 😝 , da e∛are⊾eari. s ea ed is e f. Resiac≤e ຸ∕e he bie /a/e, e i g. eaberei, . 4. \mathbb{R} _ee \mathbb{R} g he razed, \mathbb{R} , e abe \mathbb{R} , , ca ef ூe he i d, f he ee e கி, he Fish h ki , F, Wash , sh k, gh he, eig, eab de si,. 5. If he bie vaves ease als costed af est, be h,, ig, c, ac F, ab S, f, addii, a he .S_b i ர், அ., f he bie za zes ea ih , ≧். e. ு கை. C. side hef. , i g: The . a ge The ₄i e a Ri ic, 🕏 Chec "see ha", _d, , have, he , e is a cos , be 4, € c, ec ed . dav ai ab e "fReF". , Thesae Ì ReF₄.. Save a before a ig ReFor. Re-c, dec , s ki e , dabahak, e c, eci, . "ca e "... Mansig Reni The ID chi \$)\$ 1. F_ se .ve hese i a a d/s casidge. 2. Chec he ID chi 🚅 ha a a d/4 ca cidge 🚚 Ta , Mas i g di 🛵 😘 ig. es se he ID chi 🕏 ka e Ta dicea . Ca ₄ idge ੋ 3. Ĉea he ID chi , if eces a \$ 6.3.1 C a $C_{\uparrow}^{\uparrow} S_{\downarrow} F_{\uparrow}^{\uparrow}$. 4. Re-is e he e i a a d/s cacidge.

	/ - -	· · · ·	
M,den ha√e iea c_n	Obs.ci,s i he, ica ah b,c he s e f, cig.s i i an ecic a ,fhe ,de.	C, side hef, , ig: Chec he deside, fhe si a .908	3 -42.32 30

8. D₁ а 8.1 Refer to the Safety Data Sheet (SDS) and local authorities for guidance on disposing of IPA. 8.1.1 Li_idk_si (hehe sei_id, ds_, zedi ac, h, , s a ia csed) a becasied a haad, sa eads ha beds sed, fih cae. \mathbf{D}_{i} \downarrow \mathbf{f} a⊦ I he Uied Saa, e . ai ea aec, aide ed RCRA e b EPAs a dads adca be ka, i he ga bage as as e. ં i, a - રાંલાં કે e he cakidge ih for h IPA, e he. ori cakidge, fk acos, fe cosskosi. Add he e igdi IPA, , s, , e e es ea i acc, da ce ing, re e a eg a i, s. of fa a: 1. Re "ve he⊾enia.. 2. Tasife, di sie, fhe e aiig si. 3. P, s he eif, he, da , he e a , a , he c, ai e. If he es debs , ced as i he si, e he si bef, e as fe igi, a e a. a. P, sigs de i bac i, he sigi de casidge as f. c, a i ai d he casidge in ടെ edk **ട**i iec**ട**ൂ debs, hich ca ca∋ e ƙi fais ்ടെ. 4. Usea a e, e, iea se aiigsei, he, da... 5. Pace he , d a . i s _ igh (a i d, s i s _ e) , UV igh , c e e ces < e i , a d d , e, f < , e , ce c < ed. D_{\uparrow} \uparrow f \uparrow ϕ \uparrow : T, di , e, f & e e i (e i ha ha , bee c& ed , dis , redi a c, h,), add hi a e , , che ica di sas ea . If σ aa $a \rightarrow a_{\sigma}$ aa: 1. P, s as a a , _ , f. as i i , a abe ed, as i -c, aibec, aie. 2. Leave hec, ai e, side, e, sed sed i, 1-10 das. E see i, 405 igh a dhealf, he அ ecivecgi g. The i ide i cg a அ, id a ela he e sed, igh a dhea. 7 a a 7: 1 D₁ f o 1 Discadcea ed as a dc_ed (hade ed). Si ih h, seh, die sac a h. Cea ed as a d പ്ലോഗം i ca , be ec ced. D a fl/A a 8.1.2 Safe a da < , < ia e da , a e h, da , f e ed IPA a b , ca i, . af of for I/A: 1. C, s he afe da a hee (SDS) f, he IPAs ie a he a a s, s ce, fi f, a i, .

2. Reseach , s , ca g, re e si a s, red e h, os , fots , sa. This i , s i e i r, re hii ga as e os , sas e rice s, fs sa a e a , s, chec i g i h , s ci si dis , sas e rice , see if he have a s _ ggos i, s fs e , ra.

3. If for the control of the control

Fig. a ge, _ a, fIPA, c, a ide a i g a, ve cec ci g a a e, hich, ea a c, a ecive a d, ee vi, e a c a, a ibe a e a ive, a i g f, a ea, ve da a a evica. S, ve cec ci g a a e a a e da i a i, a d a c i, a i, c, coa a i, c e , ve a, e a i have a a a , a, f , e i i. Rec ci g IPA ed coa a e da a a c, a, e a i, a ha a e. e. e ed , c, d cea, ve a, a d he c, a, f s chai g IPA.

8.1.3 **D**,

X

8.1.4

The b, he, dc, he accession, ac agi gi dica so ha his devices ha, be see ed as a disped, finh, seh, d as e. Whe decide, disped, fins added, disped, fins added, i acc, da ce in, ca e ri, e a a so a diglider so. Disped, find device i a c, eci, i fishe ecci g, fishe ecci a deec, ice i e . B dispig, fine device i he a e a e, he ar, id so ibe ha a diff, he e ri, e a dispicable ha accidentation of the ecci g, fishe ecci g, fishe ecci e . The ecci e . In he ecci e . The ecci e . The

Save he F. 3B+ ac agi g f. as . i g . i e. Q igi a ac agi g s. e. i ed f. a. a sevice add sig ed . be e a de es ed f. as . b. s. hi i g.

The ac agi g s ade , f cadb, ad a d s ic-based a e ias. D s . se , f ac agi g s a, gh , cas e a d ec ci g facii is . B d s . si g , f he ac agi g s e i he . e a e, , he , av, id , s ibe ha a s f. he e vi, e a d b ic hea h.

	The F, 3B+_ii a a 100 240 V , es The i e a , e s_ c, /es i e , e , +24V DC.
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· · · · · · · · · · · · · · · · · · ·	Fire a, ecive de a a coming a, eche a i esti e a c, , e s ? (1) Rèas he : a à iccoming f, he bac , f he a i e. (2) Sides hes: e a coming f, he ef a daighs ides. (1) T, s he : a s iccoming , a, eche a eas a, digher desi a , de he c, re. (1) F, s he : he goes de a some b s a ached , a s ic a e, hich e come he f, , f he a i e be, he c, re.
· · · · · · · · · · · · · · · · · · ·	The ase b h, of he. of a a desi, she . The a cakie structured by the structure of the struc
·/ ·/ ·· · · · // *	The est a side as c, ec, leas, s, each ide, fhe a cacle. While i, g, he as he a as a dhe i, est, .
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11. 🖟 C a

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