

User Manual

SpeedFace-V3L

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Doc Version: 1.3

English

Zqj wt ㄨx" α| l qxx~wp x" | y|xnf l'1 Vunj ~n |nj m 'qn rw~| "l'rxw~
l j |nd' ㄨknox|n xyn|j 'rxwl Kxux" 'qn~n rw~| "l'rxw~'x nw~|n 'qj' 'qn
y|xnf l' r~d' wl 'rxwvp y|xy n|ㄨIZqn rv j pn~~qx" ww'qr~v j w' j uj |n α|
rw~~|j 'r~ny" |yx~n~xwㄨ1



Kx| d'|'qn| mn'j nㄨ/ yunj ~n ~r~' x" | Hxv yj wㄨ~ " nk~'n
" " " 1t'n|x1xv.1

Hxy±rpq' 5356 cPZJHU HU7RZI 1F u|rpq' ~|n-n|-nmI

_ ' r qx'' ' qn y |rx| " |r' nw l xw-nw xo cPZnl x/ wx yx|' rxw xo' qr~ v j w' j ul j w kn l xymmx| α| " j |mmrwj w±" j ±x| α|v 1F uyj |' ~xo' qr~ v j w' j uknuxwp 'x cPZnl x j wmr' ~~" k~mj |m~q|nrwj ón| ' qn %bxv yj w±%α| %PZnl x%á

Zj mv j |t

ZKTECO r~j |npr~n|nm'|j mv j |t xocPZnl x1U' qn| ' |j mv j |t~rw-xu-nmrw' qr~ v j w' j uj |n x" wnmk±' qnr| |n~ynl ' r-n x" wn|~

l r~l uj rv n|

Zqr~ v j w' j ul xwj rw~mα|v j ' rxwxw' qn xyn|j ' rxwj wmv j rw nwj wl n xo' qn cPZnl x nz" ryv nw 1Zqn l xy±rpq' rwj u' qn mxl " v nw ~ r nj " rwp~ n' l 1rw |nj' rxw' x ' qn cPZnl x ~ yyunm n z" ryv nw ~n~ ~ rwj wmr~' qn y|xy n| ± xocPZnl x1Zqn l xwnw~ qn|nxo~qx" unwx' kn " ~nmx| ~qj |nmk±' qn |nl nr~n| " ' r' q j w±' qrlmyj| ± " ' r' qx'' n~y|n~" |r' nwyn|v r~rxwxcPZnl x1

Zqn l xwnw~ xo' qr~ v j w' j u v " ~ kn |nj m knα|n ~j| ' rwp ' qn xyn|j ' rxw j wmv j rw nwj wl n xo' qn ~ yyunm n z" ryv nw 1 n j w± xo' qn l xwnw~+, xo' qn v j w' j u ~nrv ~" wl unj | x| rw l xv yun' n/ yun~ n l xwj l' cPZnl x knα|n ~j| ' rwp ' qn xyn|j ' rxw j wmv j w± mα|v j ' rxw l xwj rwnm rw' qr~ v j w' j ux| j w± xo' qn j v nwmv nw~ v j nm ' qn|n' x1 cPZnl x mxn~ wx' n~nwm' qn " j ||j w± xo j w± t rwn' wl ú nmp/ " ' r' qx'' uv ' r' j ' rxw' j w± " j ||j w± xo mn~rpw' v n| qj w' j kur' ±' x| σ' wn~ α| j yj |' r' ' ú | y" |yx~n1 cPZnl x mxn~ wx' j ~" v n |n~yxw~rkur' ± α| j w± n| |x|~x| xv r~rxw~ rw' qn mα|v j ' rxw x| mxl " v nw~" qrl q j |n |nα|nwl nmk± x| uw' nm' x ' qr~ v j w' j ú Zqn nw' r|n| r~t j ~' x ' qn |n~" ú~j wmy n| α|v j wl n xk' j rwnmqxv " ~rwp' qn mα|v j ' rxw~ j ~" v nmk±' qn " ~n|1

cPZnl x rwx n~nw ~qj ukn uj kun' x ' qn " ~n| x| j w±' qrlmyj| ± α| j w± rw mWj ú l xw~nz" nw' rj ú rwn|nl' / ~ynl rj ú x| n~n yú| ± nj v j pn~ rwn' r' r' qx'' uv ' r' j ' rxw' w~ xo k" ~n~ ~ w~ xo y| xσ' ~ k" ~n~ ~ rwn| | " y' rxw' w~ xo k" ~n~ ~ mα|v j ' rxw x| j w± ynl " wj | ± w~ ~ j | r~rwp x" ' xσ' rwl xwwnl ' rxw" ' r' q/ x| |nj' rwp ' x ' qn " ~n xo' qn mα|v j ' rxw l xwj rwnm rw x| |nα|nwl nmk± ' qr~ v j w' j u n~nw ro cPZnl x qj ~knnwj m~r~nmxo' qn yx~rkur' ± xo~" l q nj v j pn~

Zqr~ v j w' j u j w m' qn r w x| v j' r x w l x w j r w n m' q n| n r w v j ± r w l' m n' n l q w l' j u l' x' q n|
 r w j l l " | j l m ~ x | ' ± y x p | j y q r l j u n | | x | ~ 1 c P Z n l x y n | r x m l j w ± l q j w p n ~ ' q n r w x | v j' r x w
 q n | n r w " q r l q " r u k n r w l x | y | x j' n m r w x w n " j m m' r x w ~ 2 j v n w m v n w ~ ' x ' q n v j w' j u l
 c P Z n l x | n ~ n | ~ n ~ ' q n | r p q ' ' x j m m' m u n' n / j v n w m' x | v x m r a ± ' q n r w x | v j' r x w
 l x w j r w n m r w' q n v j w' j u d x v ' r v n ' x ' r v n r w' q n α | v x o l r l " ŷ | ~ u n' n | ~ w x' n ~
 n' l 1 α | k n' n | x y n | j' r x w j w m ~ j o i ± x o ' q n v j l q r w n 2' w' 2 n z " r y v n w l Z q n ~ j m
 j m m' r x w ~ x | j v n w m v n w ~ j | n v n j w' α | r v y | x ~ n v n w 2 k n' n | x y n | j' r x w ~ x o ' q n
 v j l q r w n 2' w' 2 n z " r y v n w j w m ~ l q j v n w m v n w ~ ~ q j u w x' p r ~ n j w ± | r p q ' ' x l ŷ r v
 j w ± l x v y n w j' r x w x | n j v j p n ~ " w m | j w ± l r l " v ~ j w l n ~ 1

c P Z n l x ~ q j u r w w x " j ± k n | n ~ y x w r k u n ± r, r w l j ~ n ' q n v j l q r w n 2' w' 2 n z " r y v n w
 v j u l' w l' r x w ~ m' n ' x j w ± w x w l x v y u j w l n x o ' q n r w ~ l' l' r x w ~ l x w j r w n m r w ' q r ~
 v j w' j u ~ ± r, r w l j ~ n x o x y n | j' r x w x o ' q n v j l q r w n 2' w' 2 n z " r y v n w k n ± x w m' q n | j' n
 u v r' ~ ± r, r w l j ~ n x o x y n | j' r x w x o ' q n v j l q r w n j w m n z " r y v n w r w l x w m' r x w ~
 m a n | n w d x v ' q n y | n ~ l | r k n m l x w m' r x w ~ x o ' q n v j w' j u l

Z q n y | x m' l ' " r u k n " y m j' n m d x v ' r v n ' x ' r v n " r' q x " ' y | r x | w x' r l n 1 Z q n ŷ ' n ~
 x y n | j' r x w y | x l n m' | n ~ j w m | n u n ~ j w n x l " v n w ~ j | n j ~ j n j k u n x w
[q' y > 2' " " f t' n l x 1 x v](#)

N' q n | n r ~ j w ± r ~ " n | n ŷ ' n m' x ' q n y | x m' l' / y u n j ~ n l x w j l l " ~ 1

c P Z n l x M n j n z " j | n | ~

F m n | n ~ c P Z n l x N m m' ~ | r j u v j | t / T x 1 6 5 / N m m' ~ | r j u X j n m'

Z j w p ~ j Z x " w l x w p p " j w H q r w j 1

V q x w n . ; 9 : 9 < 0 ; 5 4 3 < < < 4

K j — . ; 9 : 8 8 0 ; < 9 3 5 6 < 7

K x | k " ~ r w n ~ q n ŷ ' n m z " n | m ~ y u n j ~ n " | r' n ' x " ~ j ' ~ j u n ~ E ° t' n l x 1 x v . 1

Z x t w x " v x | n j k x " " x " | p u x k j u k | j w l q n ~ ~ r ~ t " " " f t' n l x 1 x v . 1

Fkx" ' ' qn Hxv yj w±

cPZnlx ~ xwn xo 'qn " x|un~ uj |pn~ v j w' g l " |n| xo XKN j wm Gxv n' |rl
 -Krwon|y|rw/ Kj l rj u Krwon|0-nrw | nj nm|~1V|xmf l' xan|nwp~ rw u' nm F l l n~ Hxw|xu
 |nj nm|~ j wmyj wnt/ T nj |) Kj |Qj w pn Kj l rj u Xnl xpw' rxw Hj v n|j ~ Jun-j' x|2axx|
 j l l n~ l xw|xun|~Z" |w~run~ Rrl nwn Vuj' n Xnl xpw' rxw -RVX, pj' n l xw|xun|~ j wm
 Hxw~ v n| y|xmf l' ~ rw u' mwp kj' 'n|±0xyn|j' nm awon|y|rw j wm g l nQ nj nm| l xx|
 Rxl t~1U" | ~n| " |r' ± ~x u' rxw~ j |n v " úr0w" j u j w m x l j u' nm rw x~n| 4; maw|nw
 uj wp' j pn~1F' 'qn cPZnlx ~ j' n0x0 qnG |' : 33/333 ~z' j |n ax' N'U<3340 n|' rann
 v j w' g l " |nwp g l ru' ±/ " n l xw|xu v j w' g l " |nwp/ y|xmf l' nm~pw l xv yxwnw
 j ~nv kutj wmxpr~rl ~2-qryywp/j u' w m| xwn |xx0

Zqn α" w m|~ xo cPZnlx qj ~n knnw m' n|v rwnm α| rwmynwmmw |n~nj |l q j w m
 mn~nuxyv nw xo kixv n' |rl ~n|rat j' rxw y|x l nm' |n~ j w m 'qn y|xmf l' r' j' rxw xo
 kixv n' |rl ~n|rat j' rxw Yl P/ " qrl q " j ~ rw' rj w± " m m± j y y un m rw VH ~n| " |r' ± j w m
 mmw' r' ± j " ' qn w r l j' rxw anu~1 _ r' q 'qn l x w r w' x ~ n w q j w l n v n w xo 'qn
 mn~nuxyv nw j w m y u n w ± xo v j |t n' j y y u l j' rxw / 'qn ' n j v q j ~ p l j n' j w±
 l x w ± | l' n m j w m m w' r' ± j " ' q n w r l j' r x w n l x ~ ± n v j w m ~ v j |' ~n| " |r' ± n l x ~ ± n v /
 " qrl q j |n k j ~n m x w k r x v n' |rl ~n|rat j' rxw n l q w z " n~1 _ r' q ± n j |~x o n ~ y n |m w l n r w
 'qn r w r' ~ |r j u' j' r x w x o k r x v n' |rl ~n|rat j' rxw / c P Z n l x " j ~ x a r j r w ± n ~ j k u r ~ q n m r w
 533: j w m w x " q j ~ k n n w x w n x o 'q n p u x k j w ± u n j m w p n w n | y | r ~ n ~ r w ' q n k i x v n' |rl
 ~n|rat j' rxw r w r' ~ | ± x " w w p ~ j | r x " ~ y j ' n w ~ j w m k n r w p ~ n u n l ' n m j ~ ' q n T j ' r x w j u
 M p q 0 n l q J w n | y | r ~ n α | 9 l x w ~ n l " ' r ~ n ± n j ~ 1 N ~ y | x n f l ' ~ j | n y | x ' n l ' n m k ±
 r w n u n l " j u y | x y n | ± | r p q ' ~ 1

Fkx" ' ' qn S j w' j u

Zqr~v j w' j uw|xmf l n~' qn xyn|j' rxw~xo] ≤ r r q Onpr ± 8U1

Fuawp" |n~ m~yuj ±nmj |n α| ru' ~|j' rxw y" |y x ~ n ~ x w ± 1 K r p " |n ~ r w ' q r ~ v j w' j u v j ±
 w x' k n n ~ j l' ± l x w ~ r ~ n w " r' q' q n j l " j u y | x n f l ' ~ 1

Knj' " |n~j wmyj |j v n' n|~" r' q ★ |j n w x' j ~ j n j k u n r w j u n m ~ r l n ~ 1






I x l " v nw Hxw-nw'rxw~

Hxw-nw'rxw~ " ~nmw'qr~v j w' j uj | n ur~nmk nux" >

L [NHxw-nw'rxw~

Q...s n r	
L... r ~ v...	Mr p vs v...
K...yq s...	[~nm'x mmw'ro± ~xó" j n rwn g n vj v n~ n1pY XT/ L...svz / Ln~pryl
F	S " úr0n~nu v nw' ~ j n ~nyj j ' nm k± 'qn~n k j tn'~1 Kx n~jv yun/Krun CH nj 'n C Kxum 1
Q... Mr vpr	
L... r ~ v...	Mr p vs v...
DF	G''xwx tn±vj v n~α m~rl n~1Kx n~jv yun/y n~AUPC1
hj	_ rwx" vj v n~v nw' r'nv ~ nj'j ' j kun/j wm anum vj v n~j n nw~mm ~z" j n k j tn'~1 Kx n~jv yun/xyy "y 'qn d'n" [~n f " rwx" 1
4	S " úr0n~nu v nw' ~ j n ~nyj j ' nm k± α " j mwp ~j ~qn~1 Kx n~jv yun/dKrun2H nj 'n2Kxum f1

Y±v kxw~

L... r ~ v...	Mr p vs v...
	Zqr~ ny n~nw~j vx'n 'aj' wnm~'x yj ±v x nj ' 'nw'rxw'x1
	Zqn pnwn j u rwx v j 'rxw " qrl q qny~ rw yn α v rwp 'qn xy nj 'rxw~g ~n 1
	Zqn rwx v j 'rxw" qrl q r~rpwral j w 1
	Hj n'j tnw'x j ~xmmj wpn x v r~j tn~1
	Zqn ~j 'nv nw x n~nw 'aj' " j w~x0~xv n'qmwpx 'aj' ~n ~n~j~j ~j " 'rxwj ±n~jv yun1

t b

6] I ONaf V N] b [N] @

7 NUNLa [R I U] I ONaf A

8 XYN [I aRKW] I ONaf 65

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10.4 d ROr] NaaRMP] : A

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67 YN] XW URyN] NaaRMP] @9

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68 Ml al VI W PNV NMa..... A:

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E s m

Zqn knux" rw~| "l'rxw~ rwnwm'x nw~| n 'qj' 'qn " ~n| l j w " ~n 'qn y|xmf' l' l x| |nl' t' x j -x m n j w p n| x| y|xynl' ± u ~-1 Zqn αux" rwp y|nl j " 'rxw~ j |n 'x t nny " ~n| ~ j o n j w m y |n -nw' j w t n j v j p n 1 Vun j ~n |n j m l j |n d' u t k n o x |n rw~ j u j ' r x w l

 T x w l x v y u j w l n " r' q r w ~ | " l' r x w ~ l x " u m u n j m ' x y | x m f' l' n j v j p n x | y q ± r j u r w s " | ± v j ± n - n w l j " ~ n m j ' q, 1

63 [r n q 1 s . y y . . 1 n ~ q r n v ~ v p v . ~ 0 F w ~ j o t ± j w m x y n | j ' r x w j u r w ~ | " l' r x w ~ v " ~ k n y | x y n | t e | n j m j w m α u x " n m k n o x | n k | r w p r w p ' q n m - r l n r w x ~ n | - r l n 1

73 M t ~ . . . r n ~ v - t 0 F m q n | n ' x j u " j | w w p ~ x w ' q n " w r' j w m r w ' q n x y n | j ' r w p r w ~ | " l' r x w ~ 1

83 l p p r . . . v 0 [~ n x w t v j w' g l " | n | q n l x v v n w m m x | y | x m f' l' 0 ~ u m j l l n ~ x | m ~ 1 V u n j ~ n m x w x ' " ~ n j w t x ' q n | l x v y x w n w ~ x ' q n | ' q j w v j w' g l " | n | ~ p p n ~ n m v j ' n | r j u 1

93 Y r p n v . ~ s . . u r v ~ n y n v . ~ l x w x' y j | n ' q r ~ m - r l n x w j w " w ~ j k u n ~ j w m x | d j v n 1 N v j ± g u j w m l j " ~ n ~ n | r x " ~ r w s " | ± ' x y n | ~ x w ~ j w m n j v j p n ' x ' q n m - r l n 1

: 3] r v p r 0 l x w x' ' | ± ' x ~ n | - r l n ' q r ~ " w r' t x " | ~ n u l U y n w w p x | | n v x - r w p l x - n | ~ v j ± n - y x ~ n t x " ' x q j ° j | n x " ~ - x ú j p n ~ x | x' q n | q j ° j | m ~ 1

< 3 M h z n t r r v v - t r v p r 0 l r ~ x w n l ' q n ~ ± ~ n v d x v ' q n S j r w ~ F H x | l H y x " n | ~ x " | l n j w m | n o n | ~ n | - r l n y n | ~ x w n u " w m | ' q n α u x " r w p l x w m' r x w >

- _ q n w l x | m x | l x w w n l ' r x w l x w | x u r ~ j a e n l ' n m l
- _ q n w ' q n u z " m - y r u n n' x | j w r' n v n j x y n m w x ' q n ~ ± ~ n v 1
- N o n - y x ~ n m ' x " j ' n | x | m' n ' x r w l u n v n w " n j ' q n | t j r w ~ w x " / j w m

v x|n,1

- Nð 'qn ~±nv r~ vx' xyn|j' rwp vx|v j uæ/ " wmm| xyn|j' rwp rw~| " l' rxw-1

Ø ~ l qj wpn l xw|xu- mæwnm rw xyn|j' rwp rw~| " l' rxw-1 N y|xyn| j nš ~v nw' xo'qn l xw|xu-v j ±|n~' ù rwmj v j pn j wmw-xu-n j z" j uænm 'nl qwl rj w'x |n' " |w'qn mm-rl n'x vx|v j uxyn|j' rxw1

Fwmrx vx' l xwml' v " ùryun mm-rl n~'x xwn yx" n| j mj y'n| j ~j mj y'n| x-n|uxj ml j wl j " ~x-n|Qqj' x| q|n qj °j |ml

>3 [r ~synprz r~ sn 0 _ qnw |nyÿ| nv nw' yj|' ~ j |n wnmnm' ~n|-rl n 'nl qwl rj w-v " ~ xwæ " ~n |nyÿ| nv nw' yj|' ~ y|x-mmk±'qn ~" yyun|1 [wj " 'qx|p'nm~' k~r' " n~l j w|n~' ù rwj k" |w~qx|t/x| x'qn| qj °j |m-1

@3] nsr purpx 0Uw l xv yun' rxw x o~n|-rl n x| |nyj r| " x|t xw'qn " w' / j -t 'qn ~n|-rl n 'nl qwl rj w' x yn|α|v ~j o'± l qnl t~ 'x nw~|n y|xyn| xyn|j' rxw x o'qn mm-rl n1

A3 Y... r ... pr 0Uyn|j' n'qn ~±nv xwæ qxv 'qn ÿ knu~yx" n| ~x" |l n α|v 1N'qn ~x|' xoyx" n| ~" yyæ'x " ~n r~" w unj | / l j uæx" | mj un|1

653 Ut u ~v-t 0Hj w rw~j un~n|wj uupq' wwp l xwml' l' x|~' x y|x'nl' j pj rw~ nuni |rl j u~x|v ~1N ~xy~yx" n|Ø' y~qxv mm~|x±wp'qn ~±nv 1

Xnl xv v nwmnrw~j uwp'qn mm-rl n~rwj |nj ~" r' q uv r' nmj | l n~1

F d s

- Gnα|n l xwml' rwp j w n~n|wj ul j kun' x 'qn mm-rl n/ l xv yun' p|x" wmw y|xyn|æ/ j wm ~n' " y ~|pn y|x'nl' rxw@'qn| " r-n/ ~j' r' nuni |rl r' ±" ruw mj v j pn'qn v j rwxj |ml
- S j t n~' |n' qj' 'qn yx" n| qj ~knnwmm- l xwml' nmk nα|n ±x" " r|n/ rw~j u| x| m~v j w un'qn mm-rl n1
- Jw~|n' qj' 'qn ~rpwj ul xwml' nm'x 'qn mm-rl n r~j " nj t Q " ||nw' + " r' l q,

~rpwj u@'qn|" r-n/l xv yxwnw~xo'qn mm-rl n" ruon' nj v j pnml

- Jw~|n 'qj' 'qn ~j wnj |m-xú j pn j yyul j kun rw±x" | l x" w|±x| |npixw r~ j yyunml n±x" j |n wx' ~|n j kx" ' 'qn nwm|~nm~j wnj |m-xú j pn/yunj ~n l xw~ú ±x" | u l j ununl '|rl yx" n| l xv yj w±lVx" n| v r~ j 'l q v j ±l j " ~n j ~qx|' l r|' r' x| mm-rl n nj v j pn1
- Nw'qn l j ~n xoyx" n| ~" yyu±nj v j pn/|n" |w'qn mm-rl n 'x 'qn y|xan~rxwj u 'nl qwl j uy n|~xwvux| ±x" | mj un| o| qj wmwup1
- Zx j ~xm rw n|o|nwl n/ t nny 'qn mm-rl n g| d xv qrpq nuni '|xv j pwn'rl |j mj'rxw mm-rl n~ ~|l q j ~ pnwn|j'x|~ nwl ú mwp nuni '|rl pnwn|j'x|~|j mx~' nun-r~xw~n~y nl rj u±HXZ, v xw'x|~x| ~ynj t n|~1

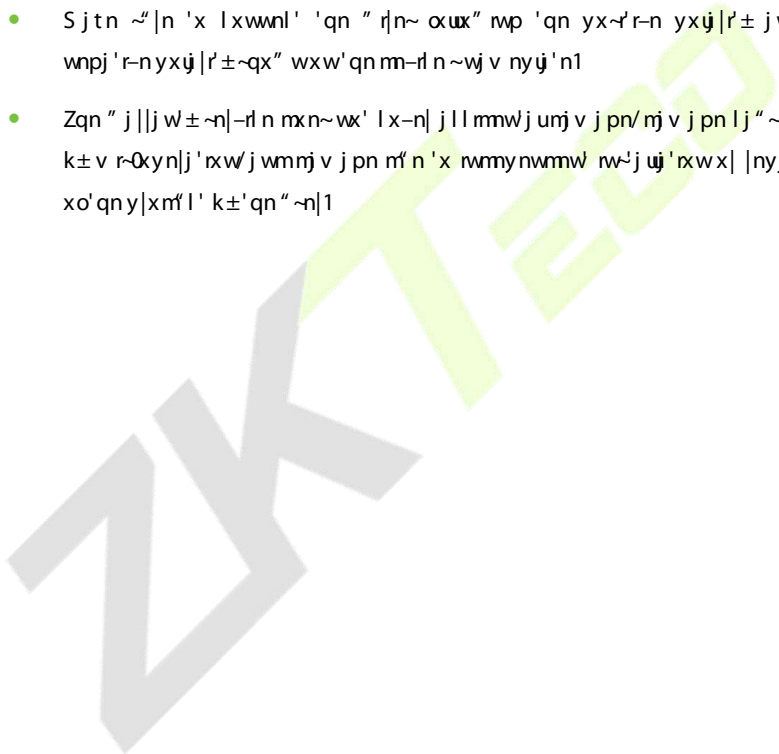
H O S

- N~v xt n/xm" |x| w r-r-n |r-n d xv 'qn mm-rl n/'" |wxo'qn yx" n| j' xwl n j wm" wy ú p'qn yx" n| l j kun/j wm'qnwyunj ~n l xwjl' 'qn ~n|~rl n l nw|n1
- Z|j w-yx|'j' rxw j wmx'qn| " wy|nml'j kun l j " ~n~v j ± nj v j pn 'qn mm-rl n qj |m' j |n1 Hqnl t " qn'qn| 'qn mm-rl n qj ~ j w± rw nwn- nj v j pn knox|n rw~j uj'rxwl
- N'qn mm-rl n qj ~v j s| mcnl'~'qj' ±x" l j wwx' ~xun/l xwj l' ±x" | mj un| j ~xxwj ~yx~rk un1
- l " ~/v xr~" |n/ j wnj k|'y' 'nv yn|j'" |n l qj wpn~l j wj aenl' 'qn mm-rl n~ ~n|~rl n ucnl bx" j |n j m-r-nmwk' 'x t nny 'qn mm-rl n" wml' ~|l q l xwnt'rxw-1
- l x wx' t nny 'qn mm-rl n rwj yú l n 'qj' ~rk|j' n~1 Mj wmun'qn mm-rl n " r' q l j |n1 l x wx' yú l n qnj ~±xksnl' ~xw'xy xo'qn mm-rl n1
- l x wx' j yyu± |x~w' j ú xqxú knw' nwn/ yn~rl mm~ j wm x'qn| ~xú' run ~" k~j w n~ 'qj' v j ± nj v j pn 'qn mm-rl n nwl u~" |n1 Hunj w'qn mm-rl n j l l n~x|m~" r' qj yml n xo~xó l u'q x| j ~v j uj v x" w xol unj wwp j pnw 1
- N±x" qj ~n j w±'nl qwl j uz" n~rxw~|npj |mwp " ~j pn/l xwj l' l n|' rnmnx|

n-yñ|mwl nm' nl qwl j uyn|~xwwnũ



- S j t n ~" |n " qn'qn| 'qn yx~r' r-n yxÿ |r'± j wmwñpj 'r-n yxÿ |r'± xo' qn l H 45] yx" n| ~"yyt r~ l xwwn l 'nm l x||nl' t±1 F |n-n|~n l xwwn l 'rxw v j ± nj v j pn 'qn m~r l n1 N r~ wx' j m~r~j kun 'x l xwwn l ' 'qn FH 57] yx" n| ~"yyt'x 'qn l H45] rwy" ' yx|' 1
- S j t n ~" |n 'x l xwwn l ' 'qn " r|n~ ox" rwp 'qn yx~r' r-n yxÿ |r'± j wmwñpj 'r-n yxÿ |r'±~qx" wxw' qn m~r l n~wj v nyÿ 'n1
- Zqn " j ||j w± ~n|~r l n rxn~wx' l x-n| j l l mmw j unj v j pn /nj v j pn l j " ~nm k± v r~Oxyn|j' rxw j wmnj v j pn m' n 'x rwmynwmmw r~j uj' rxwx| |nyj r| xo' qn y|x m' l ' k±' qn " ~n|1

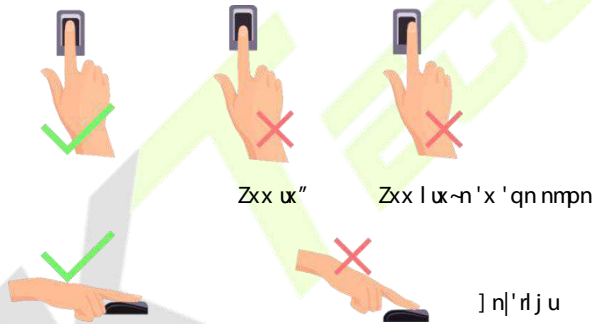


l h u

Gno|n pn'' rwp rWx 'qn mm-rl n anj '' |n~j wmd' wl 'rxw~/r' r~|nl xv v nwmmm' x kn
g v ruj | '' r'q'qn knux'' d' wnj v nWj u-1

4.1 e p

[r p.z z r~qrq sv-t r B\Nm- /v mmn/x | rwp awpn|~@ -xm'' ~rwp 'qn 'q'' v k
x | yrw±j/~' qn±j | n mraol '' ú 'x j l l'' | j' n±y|n~xw' x 'qn awpn|y|rw |nj nm|1

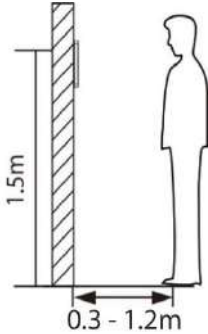


_____ Vunj ~n '' ~n 'qn l x||nl' v n'qxm'' qnw y|n~rwp ±x'' | awpn|~ xw' x 'qn
awpn|y|rw |nj nm| α| |npr~|j' rxwj wmmw'rat j' rxwU'' | l xv yj w±'' ruj ~'' v n
wx uj knr' ±α| |nl xpwr' rxw r~'' n~' qj' v j ±|n~'' ú qxv rWx|nl' '' ~j pn xo'qn
y|xnl' l'1 _ n |n~n|-n 'qn |rpq' xo awj u rWn|y|nj' rxw j wm v xmrat j' rxw
l xw l n|wmp' qr~yxrw 1

4.2 s p 9 e d

s p

➤ aur r p.z z r~qrq qv n~pr



Zqn m~j wl n kn' nnw 'qn m~rl n j wmj " ~n|
 " qx~n qnrpq' r~rwj |j wpn xo4 B8v 'x 4} 8v r~
 |nl xv v nwmm 'x kn 36 'x 45v 1 [~n] ~ v j ±
 ~upq' t v x~n α| " j |mx| kj l t " j |m'x rv y|x~n
 'qn l qj |j l 'n| xog l rj urv j pn~l j y'" |nml

➤ [r p.z z r~qrq n~qv-t ≤... r n~q snpnyr ≤ r v.~



OnpnyN ≤ r v.~

] n~qv-t Y... r

____ Vunj ~n tnyy ±x" | g l rj un~y|n~rxw j wj ~j wmpv yx~" |n wj'" |j u" qrun
 nw|xw nw x| ~n|rot j 'rxwl

4.3 r e t

Z|±'x t nny 'qn g l n rw'qn l nw|n xo'qn ~|nnwrt'|rwp |npr~|j'rxwlVunj ~n g l n
'qn l j v n|j j wm~j ±~ruur'|rwp g l n 'nv y'j' n |npr~|j'rxwlZqn ~|nnwuxxt~ut n
'qr->



L... rp snpr rz ≤yn r rtv n v.~ n~qn ur~ qn v.~ z r u..q

> [rp.z z r~qn v.~s... rtv r v-t nsnpr

- _ qnw |npr~n|rwp j g l n/ v j rwj rw j m~j wl n xo 83l v 'x ; 3l v kn'' nnw'qn m~rl n j wm'qn g l n1
- Gn l j |nđ' u'x t nny ±x" | g l r j un~y|n~rxw wj'" |j uj wmwx' 'x l qj wpn1 +v ruwp g l n/n|j" w g l n/" rwt/n'l j
- Nđ ±x" mx wx' αux" 'qn r w~|l'rxw~ xw 'qn ~|nnw' 'qn g l n |npr~|j' rxwv j ±'j t n uxw p n | x| v j ±g rđ
- Gn l j |nđ' uwx' 'x l x~n| 'qn n±n~x| n±nk|x" ~1

- l x wx' " nj | qj ' ~v j ~t ~' wpy ~n~x | n~npj ~n~1
- Gn l j | n' uwx' 'x m~yij ±' " x g l n~xw' qn ~ | nnw l Xnpr~ n | xwn yn | ~xw j' j ' rv n1
- N ~ | nl xv v nwmmax | j " ~n | " nj | rwp pj ~n~'x | npr~ n | kx' q g l n~ " r' qj wm" r' qx" ' pj ~n~1

➤ [r p . z z r ~ qn v . s . . n ur ~ v n v ~ t n snpr

- Jw~ | n ' qj ' ' qn g l n j y y n j | ~ r w ~ m m ' qn p " m m u w n m r ~ y i j ± n m x w ' qn ~ | n n w x o ' qn m ~ r l n 1
- Yxv n' rv n~ j " ' qn w r l j ' r x w v j ± g r u n ' n ' x ' qn l q j w n r w ' qn " nj | r w p p i j ~ n ~ ' q n w ' q n x w n " ~ n m " q r u n | n p r ~ j ' r x w l n w ~ l q j l j ~ n / ± x " v j ± | n z " r l n j " ' q n w r l j ' r w p ± x " | g l n " r' q ' qn y | n ~ r x " ~ ± " x | w p i j ~ n ~ 1 n b ± x " | g l n " j ~ | n p r ~ n | n m " r' q x " ' p i j ~ n ~ / ± x " ~ q x " u m j " ' q n w r l j ' n ± x " | g l n " r' q x " ' p i j ~ n ~ d ' | q n | 1
- N j y j | ' x o ' qn g l n r ~ l x ~ n | n m " r' q j ' / j v j ~ t / j w n ± n y j ' l q / x | ~ w p i j ~ n ~ / j " ' q n w r l j ' r x w v j ± g r u l l x w x ' l x ~ n | ' qn g l n / j u x " ' qn m ~ r l n ' x | n l x p w r n k x ' q ' qn n ± n k | x " ~ j w m ' qn g l n 1

4.4 s h

F d n | l x w w n l ' r w p ' qn y x " n | ~ y y ± / ' qn α u x " r w p ~ j w n k ± r w n | g l n r ~ m r ~ y i j ± n m

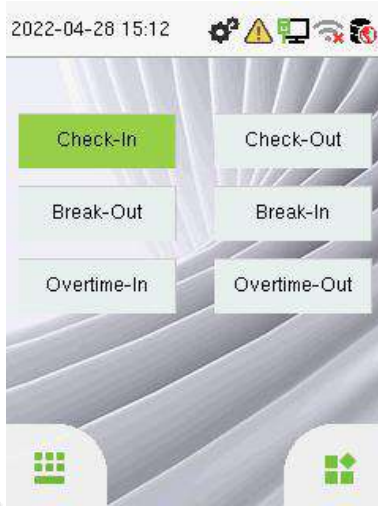


- Zjy [grid icon] 'x nw'n| 'qn [~n] N' w'y'' 'w'n|g| n1
- _ qnw'qn|n r~wx Y''y'n| Fm'v rwr~|j'x| ~n' w'qn mm~r| n/ 'jy [grid icon] 'x px 'x 'qn v nw' 1
- Fdn| j mmwp j Y''y'n| Fm'v rwr~|j'x| xw'qn mm~r| n/ r' |nz''r|n~'qn Y''y'n| Fm'v rwr~|j'x| ~n|rd| j'rxwknox|n xynwmp'qn v nw' d'wl'rxw~1



____ Kx| 'qn ~nl " |r' ±xo'qn mm-fl n/r' r~|nl xv v nwmm'x |npr~n| j ~' yn|
j mv rw~|j 'x| 'qn q'~ 'rv n ±x" " ~n'qn mm-fl n1

- Zqn y" wl q ~j 'n xy'rxw-l j w j ux kn m-yj ±nmj wm" ~nm|nl 'u±xw'qn
~j wrk±rw|g l n1Z| y j w±" qn|n xw'qn ~|nnwj yj|' dxv 'qn fl xw~/j wm
~qx|'l " t n±-j yynj |~xw'qn ~|nnwj ~qx" wvw'qn qp" |n knx" >



- V|n~'qn l x||n~yxwmp y" wl q ~j 'n t n± 'x ~nml' ±x" | l " | |nw' y" wl q
~j 'n" qrl q r~m-yj ±nmrwp|nnw|Vunj ~n|nq| 'x %qx|'l " Pn± S j yyrwp-%
α| 'qn ~ynl rot xy|j 'rxwv n'qxml

____ Zqn y" wl q ~j 'n xy'rxw-j |n xœk±mg " ù j wmwmm'x ~nml' x'qn| v xmm
xy'rxw- rw'qn %" wl q Y'j 'n Uy'rxw% x pn' 'qn y" wl q ~j 'n xy'rxw- xw'qn
~j wrk±~|nnw|

4.5 v k



_____ Zqn mn-rln ~"yyx|'~ 'qn rwy"' rw Jwpur-q ij wp" j pn/ w" v kn|~ / j wm ~tv kxu-1

- Zjy **HWj**'x ~' r'l q'x 'qn w' v n|rl tñkxj |m|
- V|n~**h678j**'x ~' r'l q'x 'qn ~tv kxul tñkxj |m|
- Zjy **hH&+j**'x |n'" |w'x 'qn Jwpur-q tñkxj |m|
- Zjy **h** ↶ j'x n-# 'qn -r|'" j utnñkxj |m|

4.6 v m

I B.E e v

> 6BVO~tr ≤ v~ cr vspn v.~ V ..qr

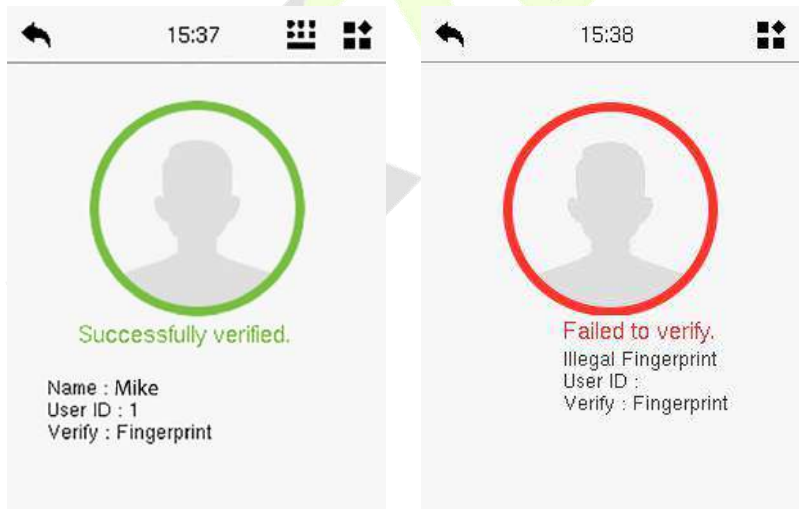
Hxv yj |n~'qn awpn|y|rw 'qj' r~knwp y|n~nmwx x 'qn awpn|y|rw |nj mm| " r'q j ux'o'qn awpn|y|rw nj'j 'qj' r~x|nmw'qn mm~rl n1

Zqn mm~rl n nWn|~'qn awpn|y|rw j "'qnwrl j'ixw v xrm " qnw j " ~n| y|n~n~qr~2qn| awpn| xw x 'qn awpn|y|rw ~j wwn|1

Vunj ~n αux" 'qn l x||nl' " j ±'x yū l n ±x" | awpn| xw x 'qn ~nw~x|1Kx| mm'j r~/yunj ~n|nσ| 'x ~nl'ixwKwpp| Vx~'ixwvwp1

] n|rat j 'ixwr~" l l n~σ' u


] n|rat j 'ixwr~g runm>



> 6B O~tr ≤ v~ cr vspn v.~ V ..qr


Hxv yj |n~'qn awpn|y|rw 'qj' r~knwp y|n~nmwx x 'qn awpn|y|rw |nj mm| " r'q 'qn awpn|y|rw~'qj' j |n uwt nm'x [~n| Nl rwy" ' -j 'qn -r|' j ut n±xj |ml

[~n| ~v j ± -n| rōē ' qnr| mmw' r' m~" ' r' q 4> -n| rōj ' rxw v x nm " qnw' qn± l j wx'
pj rwj l l n~" ' r' q 4> T j " ' qnw' r l j ' rxwv n' qxm1

V|n~  xw' qn v j rw rōn| g l n j wm nōn| ' qn 4> aōpn| y| rō -n| rōj ' rxw
v x nm1

Nw" ' ' qn" ~n| N j wmy| n~>XTf1



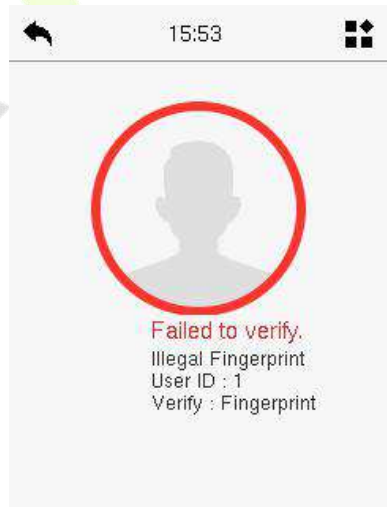
Nōj wnv yū±nn | npr~n| ~j g l n' nv yū' n/ yj ~" x| mj wml j | mwj nm' rxw' x ' qn
aōpn| y| rō/ ' qn αū" rōp ~| nōw " rōj yy nj | 1 Ynūl ' ' qn  r l xw' x nōn|
aōpn| y| rō -n| rōj ' rxwv x nm1



V|n~~qn awpn|y|rw 'x -n|ra±1

] n|ra± j 'rxwr~± l l n~d' u

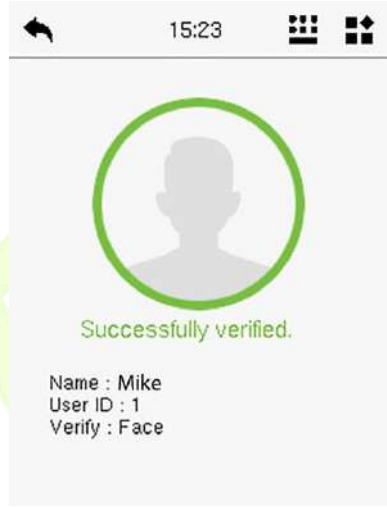
] n|ra± j 'rxwr~g runm>



I B.F e v

➤ 6B/Onpnyr r vspn v.~ V ..qr

Nl xv yj |n~'qn j lz" r|nmq l rj u'nv yj' n~" r'q j wq l n'nv yj' n rj' j |npr~n|nm
nw'qn mm~rl n1Zqn αux" npr~'qn yxyθ' y y|xv y' kx→ol xv yj |r~xw|n~' ú~1



➤ 6B Onpnyr r vspn v.~ V ..qr

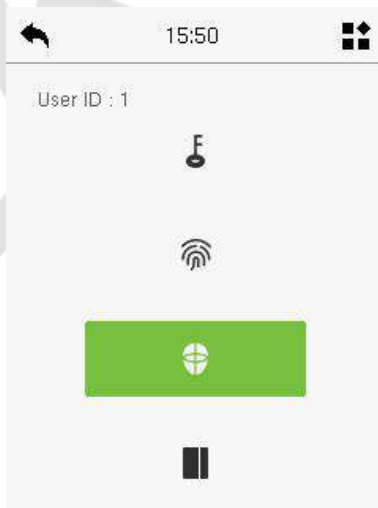
Hxv yj |n 'qn g l n l j y'" |nmk±'qn l j v n|j " r'q 'qn g l rj u'nv yj' n |nj' nm'x
'qn nw n|nm" ~n| N 1

V|n~  xw'qn v j rww n|g l n j wmnw n| 'qn 4A g l rj u~n| rdl j' r xwv x m1

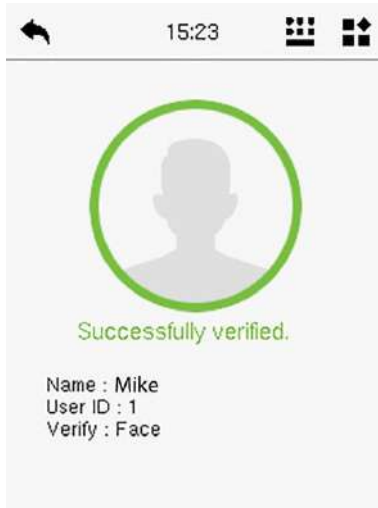
Jw n| 'qn " ~n| N j wml ul t dTf1



Nøj w nv yux±nn |npr~n|~j awpn|y|w'/y j ~" x|nj wml j |mrvj mm' rxw'x 'qn g l n
 'nv yj 'n' qn αux" rwp ~l |nrw" røj yynj |1Ynuni' 'qn 🌐 fl xw'x nwn| g l n
 -n|rot j 'rxwv xmm1



Fón| ~| l n~d' u-n| ról j 'rxw' qn y| xv y' kx—mr-yj ±~% ppr s yj cr wv r q3%
j ~~qx" wknux" >

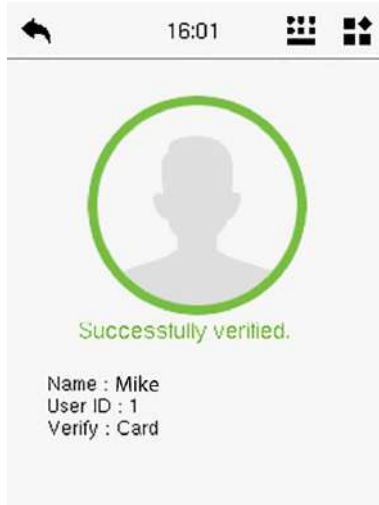


N'qn-n| ról j 'rxw~g rnm'r' y| xv y' ~%Yr n r nqw ... ≤...v v.~"%

I B.BH b v


➤ 6BWLn q cr wpn v.~ V ..qr

Zqn 4>T Hj | m] n| ról j 'rxw v x m l xv y j | n~ 'qn l j | m w' v kn| rw 'qn l j | m
rwn' l 'rxw j | nj " r' q j w' qn l j | m w' v kn| mj' j | npr~n| nm rw 'qn mm-rl n@Zqn
αux" wpr~'qn l j | m-n| ról j 'rxw~l | n nwl



➤ **6B Ln q c r w p n v.~ V ..qr**

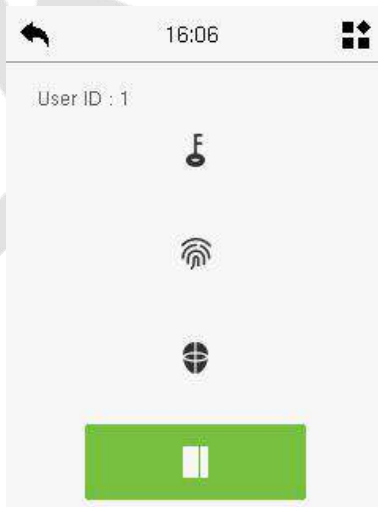
Zqn 4A Hj |m] n|rat j 'rxw v xmm l xv yj |n~ 'qn l j |m w' v kn| rw 'qn l j |m
 mnt' l 'rxw j |nj " r' q 'qn w' v kn| j ~xl j 'nm " r' q 'qn nv yx±nn~ [~n] N
 |npr~ n|nmw' qn m~rl n1

V|n~  xw' qn v j rwrw n|g l n j wmnw n| 'qn 4A l j |m~n|rat j 'rxwv xmm1

Jw n| 'qn " ~n| N j wml ul t dXt f1




Nøj w nv yx±nn |npr~n|~j awpn|y|rw/g | n 'nv yÿ' n j wmyj ~" x|mrvj nnt'rxw
 'x'qn | j |m'qn ax" rwp ~| |nrv" ruj yynj |1Ynui' 'qn ■■ |l xw'x nwñ | j |m
 -n|rot'j'rxwv xmi1




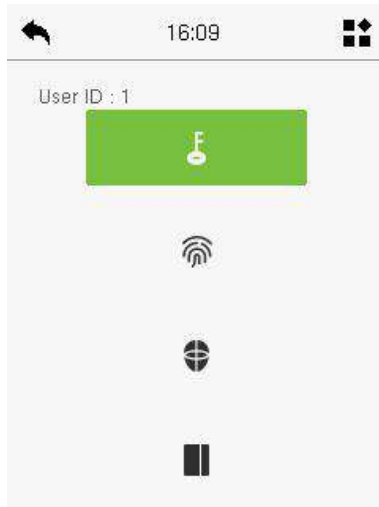
I B B p v

Zqn mm-dl n l xv yj |n~ 'qn nw|n|nmyj ~" x|m" r'q 'qn |npr~n|nmyj ~" x|m|x0
'qn pr-nw[~n| Nl 1

Zj y 'qn  k"'xwxw'qn v j rw~ |nnw'x nw|n| 'qn 4x yj ~" x|m-n|rdl j 'rxw
v x m1Zqnw/rwy"' 'qn" ~n| Nl j wmy|n~~dTf1



Nbj wnv yux±nn |npr~n|~j awpn|y|rw/g l n'nv yj' n j wml j |mrwj mm' rxw'x 'qn
yj ~" x|m' 'qn αux" rwp ~|nnw " ru j y ynj |1 Ynuni' 'qn  dl xw'x nw|n|
yj ~" x|m-n|rdl j 'rxwv x m1



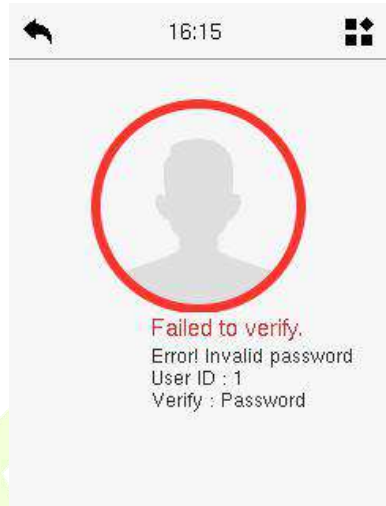
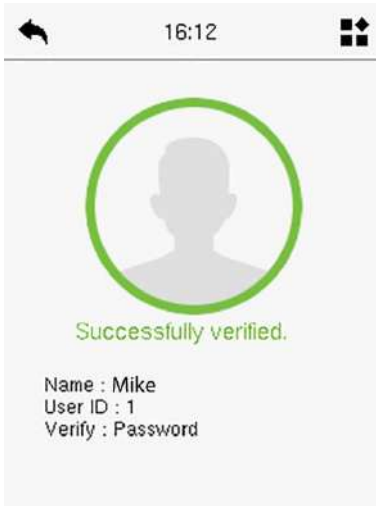
Nly'' 'qn yj ~' x|mj wmy|n~dTf1



Gnux" j |n 'qn m-yÿ±-l|nnw~j ðn| nwñ|wp j |x||nl' yj ~' x|mj wmj " |xwp yj ~' x|n|n~ynl'r-nu£1

] n| rdl j ' r x w r ~ ~ l l n ~ ~ d' u

] n| rdl j ' r x w r ~ ~ g r u n n >

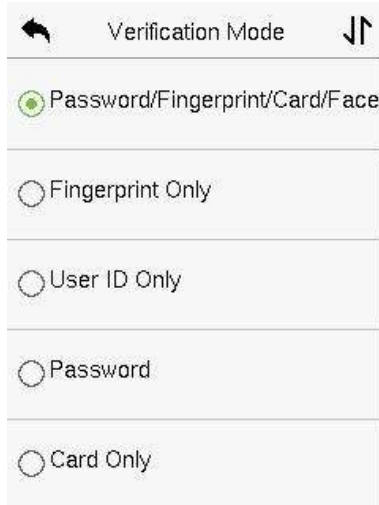


I B.K b v

Zqr~ m~rl n j ux" ~ ±x" 'x " ~n j -j |m'± xo~n|rdl j ' r x w v n'qxm' 'x r w |n j ~n
 ~n| 'r'±1Zqn|n j |n j 'x'j ux054 m~rwl' ~n|rdl j ' r x w l x v k w j ' r x w ~ 'qj' l j w k n
 r v y u n v n w n m j ~ u ~ n m k n u x" >

L..z o v r q c r w p n v.~] z o..y M r s v ~ v u.~

] z o..y	M r s v ~ v u.~	N ≤y n ~ n v.~
4	x	Zqr~ v n'qxm l x v y j n~ 'qn n w n nm ~n rdl j ' r x w x o j y n ~xw" 'r'q 'q n n y' n m ~n rdl j ' r x w 'n v y j' n y n~r x" ~± ~x n m 'x'qj' V n ~x w w n u N l n w'q n l n ~r l n l
0	j w m	Zqr~ v n'qxm l x v y j n~ 'qn n w n nm ~n rdl j ' r x w x o j y n ~xw " 'r'q j w 'q n ~n rdl j ' r x w 'n v y j' n ~y n~r x" ~± ~x n m 'x'qj' V n ~x w w n u N l n w'q n l n ~r l n l

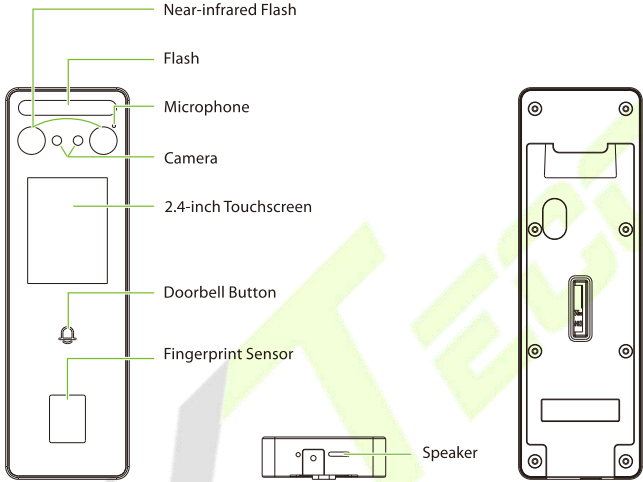


Y ..prq r ...r s...L.z ov-rqcr wqñ v.~ V..qr

- Hxv krwnm -n|rat j'rxw |nz" r|n~ yn|~xwvnu'x |npr~n| j w'qn mroñ|nw -n|rat j'rxw v n'qxnm-1 U'qn|" r~n/ nv yux±ñn~ " ru wx' kn j kun 'x ~|l n~d' u±-n|rat' qn l xv krwnm-n|rat j'rxwy|x l n~1
- Kx| rw~j wl n/ " qnw j w nv yux±ñn qj ~ |npr~n|nm xw± α| 'qn g l n 'nv yú'n nj'j/ k'' 'qn l n~rl n -n|rat j'rxw v xmm r~ ~n' j~ Kj l n . Vj ~' x|m/ 'qn nv yux±ñn " ruwx' kn j kun 'x l xv yun'n 'qn -n|rat j'rxw y|x l n~d' |l n~d' u±1
- Zqr~ r~ knl j " ~n 'qn l n~rl n l xv yj |n~'qn g l n 'nv yú'n xo'qn yn|~xw " r'q'qn |npr~n|nm-n|rat j'rxw'nv yú'n kx'q'qn g l n'nv yú'n j wm'qn Vj ~' x|m y|n-rx" ~±~x|nm'x 'qj' Vn|~xwvnu|l rw'qn l n~rl n1
- G'' j ~'qn nv yux±ñn qj ~ |npr~n|nmxw± 'qn g l n'nv yú'n k'' wx' 'qn Vj ~' x|m'qn -n|rat j'rxw" ruwx' pn' l xv yun'nmj wm'qn l n~rl n m~yú'±] n|rat j'rxwKj runm1

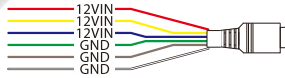
K o _____

5.1 Z



5.2 b b w c

KBFE b b



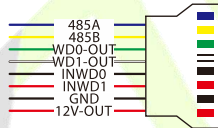
Yv~	Mr p v s v.~
<	Vx" n Nw



Yv~	Mr p v̄ v.~
9	T n'' x t

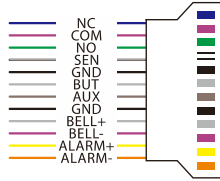


Yv~	Mr p v̄ v.~
7	[YG




Yv~	Mr p v̄ v.~	
;	7; 8F	XY7; 8
	7; 8G	
	_ 30U Z	_ mpj wmU'' /_ /_ mpj wmNv
	_ 40U Z	
	№_ 3	
	№_ 4	
	LT I	

	45] QJ[Z	
--	-----------	--

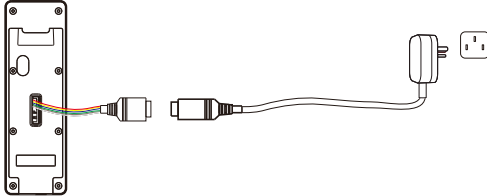


Yv~	Mr p v s v.~	
45	TH	Rx t
	HUS	
	TU	
	YJT	I xx ~nw-x /J-ř G'' 'xwj wmF'' -ruj ±Nv
	LTI	
	G[Z	
	F[a	
	LTI	Gnuu
	GJRR.	
	GJ RRO	
FRFXS .	F y v	
FRFXS 0		

KBF W C

V|n~  xw'qn rw' rj urw'n|g l n'x nw'n| 'qn v j rvv nw' /j ~~qx" wknux" >

➤ Y... r L...rp v...



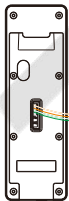
[rp.z z r~qrq l LI qns r

41 45] 43(/j' unj ~ 4833v F 1

51 Zx ~qj |n 'qn yx" n| " ' r' q x'qn| mm~rl n~" ~n j w FH Fmj y' n| " ' r' q qrpqn| l " ||nw |j' rmp~1

➤ Nur ~r L...rp v...

Hxwnl ' 'qn mm~rl n j wml xv y" 'n| ~xd" j |n x~n| j wJ' qn|wn' l j kun1F ~~qx" ww 'qn n~jv y unknux" >



Default IP address: 192.168.1.201
Subnet mask: 255.255.255.0



IP address: 192.168.1.130
Subnet mask: 255.255.255.0

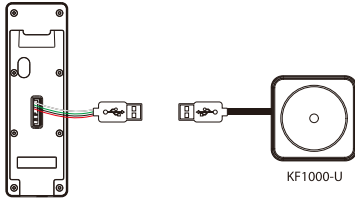
Hul t xw dHUS S f C d' qn|wn' f C dV F m|n~f / rwy" ' 'qn IV j m|n~j wml ul t xw dJPf1

____ Nv RFT / 'qn IV j m|n~n~xo' qn ~n|~n| ~H, j w m' qn mm~rl n v " ~ kn rw' qn ~jv n wn" x|t ~npv nw " qnwl xwnl' rwp' x' qn cPGx F l l n~N| Y~xd" j |n l

➤ **b] KL...~rp v.~**

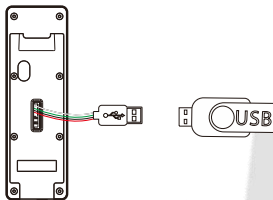
Zqn m~rl n ~' yyx|' ~'qn l xwnl ' rxwxoPK4333Q |nj m] j wm[YGm~t 1

T06555Zb [r nqr B



Kx| v x|n m'j ru/yunj ~n|n~| 'x 'qn u 1

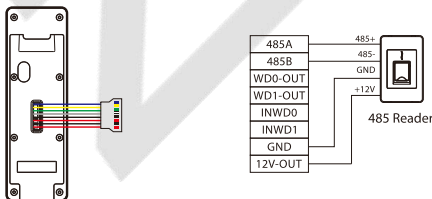
b] K Mv xB



Kx| v x|n m'j ru/yunj ~n|n~| 'x 'qn [48 \[YGS j wj pn\]1](#)

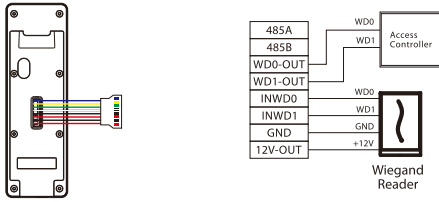
➤ **[]9@ n~qd vt n~q L...~rp v.~**

[]9@ B



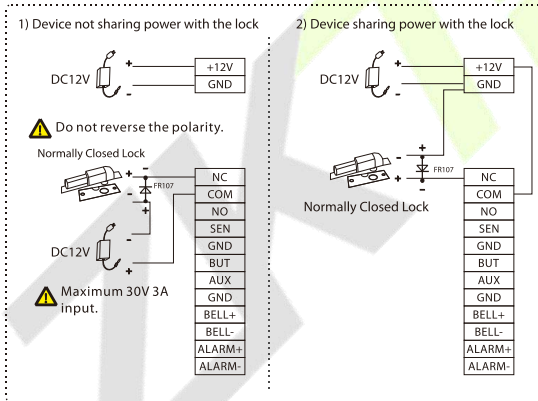
____ 7; 8F j wm7; 8G l j wkn l xwnl ' nm'x 'qn Gj ||m] pj 'n x| 'qn 7; 8 Xnj m]/ ~nyj |j' n~t/k" l j wx' kn l xwnl ' nm'x 'qn pj 'n j wm|nj m] j 'qn ~j v n'rv n1

d v r t n~qB

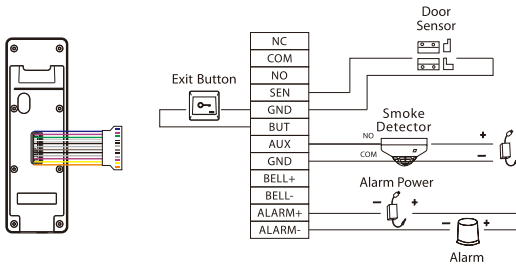


➤ **U.px [r yn L..~r p v..**

Zqn ±~j nv ~" yx|' ~Tx|v j uE Uy nwnmRx| t j wmTx|v j uE Hx~nmRx| t 1Zqn T U
 RUHP ~wx|v j uE " wx| t nm" qnw yx" n|Oxw, r~ l xwwnl' nm" r' q T U j wm HUS
 'n|v wj u/ j wm' qn TH RUHP ~wx|v j uE u| t nm" qnw yx" n|Oxw, r~ l xwwnl' nm
 " r' q TH j wm HUS 'n|v wj u-1Zj t n TH Rx| t j ~j wn-j v y un knx" >



➤ M....] r ~ ...1N v K ...1l yn z + l w n L...~rp v.~



L h _____

6.1 h d

Vunj ~n|nnt| 'x 'qn αux" rwp |nl xv v nwrj 'rxw~α| rw~j uj 'rxw|



INSTALL
INDOORS ONLY



AVOID GLASS
REFRACTION



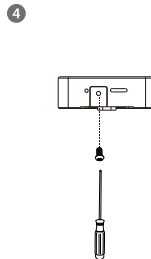
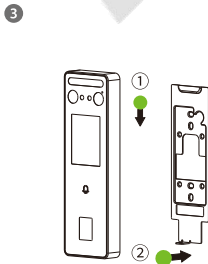
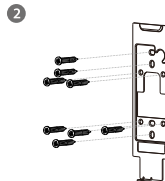
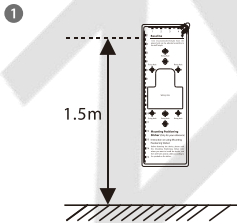
AVOID DIRECT
SUNLIGHT
AND EXPOSURE




KEEP EFFECTIVE
DISTANCE
0.3-1.2m

6.2 c h

- 41 F'j|q 'qn v x" w rwp 'nv yj' n ~rltn| 'x 'qn " j w' j wm nt|ru qxun~
j |l|x| mwp 'x 'qn v x" w rwp yj n|1
- 51 Kr~qn kj l tyj' n xw' qn" j w' ~rwp" j uw x" w rwp ~|n" ~1
- 61 F'j|q'qn m~rl n' x' qn kj l tyj' n1
- 71 Kj ~nw' qn m~rl n' x' qn kj l tyj' n" r' qj ~nl" |r' ±~|n" 1



M m m

V|n~  xw'qn rw' rj urw n|g l n'x nw n| 'qn v j rvw nw' /j ~-qx" wknx" >



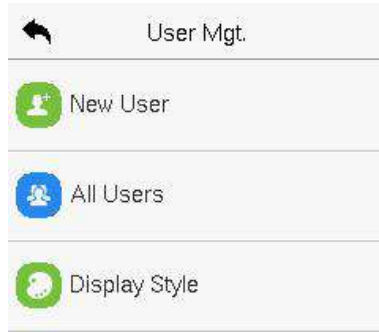
O ~p v.~ Mr p v̄ v.~

V r~	Mr p v̄ v.~
[~n S p' 1	Zx Fmm/Jm' /] m" /j wml nun'n rwo v j 'rxw xoj [~n 1
[~n Xxun	Zx ~n' 'qn yn v r~rxw ~xyn xo'qn l " ~xv xun j wm nw xun α 'qn " ~n ~'qj' r~'qn rpq'~'x xy n j 'n 'qn ~±~nv 1
HUS S 1	Zx ~n' 'qn nun-j w yj j v n'n ~ xo Tn" x t/ Yn rj u Hxv v 1 VH Hxwml 'rxw' _ rK/ Hux" m Yn ~n /_ mpj wm j wMTn" x t l rj pwx~r~1
Y±~nv	Zx ~n' yj j v n'n ~ ny' nm'x 'qn ~±~nv /rw ū mwp l j 'n) Zv n/ Fll n~ Rxp~ Yn' rwp/ Kjl n) Kwpn y rw yj j v n'n ~] mnx N'n lxv yj j v n'n ~ Ynl " r'± Yn' rwp j wm n~n' rwp' x g l' x ±~n' rwp~1
Vn ~xwj u'n	Zx l " ~xv r'n ~n' rwp~ xo [~n N'n g l n/] xrl n/ Ghu Yl qnn' un~ V" w l q Y'j 'n Uy'rxw~ j wm Yqx l' " Pn± S j yy rwp~n' rwp~1
l j' j S p' 1	Zx mmun' n j u nun-j w nj' j rw'qn m~rl n1
Fll n~Hxw xu	Zx ~n' 'qn yj j v n'n ~ xo 'qn xlt j wm'qn nun-j w jll n~ l xw xu m~rl n rwl ū mwp xy'rxw~ utn Zv n ~l qnm' un/ Mxunj ± Yn' rwp~ Hxv kwn ~n ral j'rxw/ Fw r0j ~kj l t Yn" y/j wml " n~Uy' rxwYn' rwp~1
[YGS j wj pn	Zx " yxj mx mx" wuxj m~ynl ral nj' j dxv j [YGn r~n1
F' nwnj w l n Ynj l q	Zx z" n ±'qn ~ynl ranmJ~nw ū xp~1
F' 'x' n~	Zx j " 'xv j' r' j w ± 'n~ " qn'qn nj l q v xmf un d' w l' rxw~ y xy n w/ rwl ū mwp 'qn RHL Yl nnw/F" mx/S rl xyqxwn/ Kwpn y rw ~nw~x /Hj v n j /j wmxnj wZv n Hxl t 1
Y±~nv Nvx	Zx ~m" V r~j l ± Vxul ±/ l j' j Hj yj l r' ± j wml n~rl n j wm K v " j n rwo v j 'rxw x' qn l " l nw m~rl n1

N u m

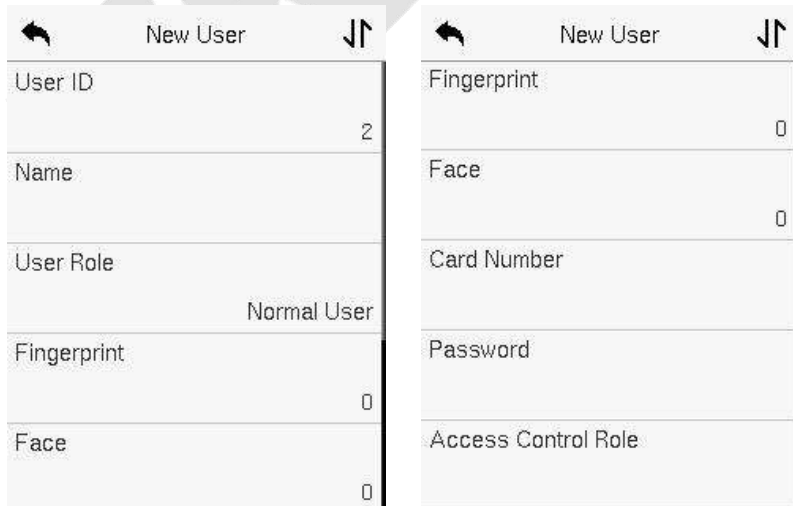
8.1 u r

Zj y b r V t 3xw' qn v j r wv nw' 1



N E E r u l c n

Zj y W r b r j w m w n l ' q n b r R M j w m W h z r 1




- 4, F wj v n l j w' j t n " y ' x 69 l qj | j l ' n | ~
- 5, Zqn " ~n| NI v j ± l x w j r w 4047 mpr' ~ k ± m m j " ú / ~ y y x | ' w' v k n | j w m [j y q j k n' r l 1](#)
- 6, l " | r w p ' q n r w' r j u | n p r ~ | j ' r x w' ± x " l j w v x m r ± ± x " | NI k " ' w x' j d n | ' q n | n p r ~ | j ' r x w l
- 7, N b ' q n v n ~ j p n % M ≤ y p n r q ' % j y y n j | ~ ± x " v " ~ l q x x ~ n j m r o n | n w [~ n | NI k n l j " ~ n ' q n x w n ± x " n w n | n m j p n j m ± n ~ n ~

NEEF u r

Uw' qn T n " [~n| n w n | g l n / ' j y x w b r [..y r ' x ~ n ' ' q n " ~ n | ~ m ' ± j ~ n r' q n | W ..z n y b r ...] ≤ r l q z v 1

-] ≤ r l q z v B Z q n Y " y n | F m v r w r ~ | j ' x | x " w ~ j u v j w j p n v n w | y | r ~ r u n p n ~ r w' q n l n ~ r l n 1
- W ..z n y b r B b ' q n Y " y n | F m v r w r ~ | n p r ~ | n | n m j p n j m ± r w' q n n m ~ r l n / ' q n w ' q n T x | v j u [~ n | ~ " r u w x ' q j ~ n ' q n y | r ~ r u n p n ' x v j w j p n ' q n ~ ± ~ n v j w m l j w x w ± j l l n ~ j " ' q n w r l ~ n | r o j j ' r x w ~ 1
- b r M r s v ~ r q [..y r B Z q n T x | v j u [~ n | l j w j u x k n j ~ r p w n m l " ~ x v | x u ~ " r' q [~ n | l n o w n m X x u n 1 Z q n " ~ n | l j w k n y n | v r' n m ' x j l l n ~ ~ n ~ n j j u v n w' x y ' r x w ~ j ~ | n z " r | n m l

 User Role
<input checked="" type="radio"/> Normal User
<input type="radio"/> Super Admin

_____ N b ' q n ~ n u n l ' n m " ~ n | | x u n ~ ' q n Y " y n | F m v r w' q n w' q n " ~ n | v " ~ y j ~ ' q n m m w r' ± j " ' q n w r l j ' r x w ' x j l l n ~ ' q n v j r w v n w' 1 Z q n j " ' q n w r l j ' r x w r ~ k j ~ n m

xw'qn j "'qnwrl j 'rxwv n'qxmr, 'qj' 'qn ~' yn| j mv rwr~|j'x| qj ~|npr~n|nmf

NĒBĤ r e

Zj y **Ortr** ≤ v- rw'qn **Wr b r** rwng l n 'x nw n| 'qn awpn|y|rw |npr~|j' rxw yj pn1

- Ynuni ' 'qn awpn| 'x kn nw|xunmf
- V|n~'qn ~j v n awpn| xw'qn awpn|y|rw |nj mm| 'q|nn' rv n~1
- L|nnwrmf j' n~'qj' ' 'qn awpn|y|rw " j ~nw|xunm~| l n~' u±1



NĒBĤ e

Zj y **Onpr** rw'qn **Wr b r** rwng l n 'x nw n| 'qn g l n |npr~|j' rxwyj pn1

- Vunj ~n g l n 'x" j |m~'qn l j v n|j j wmyg l n ±x" |~nw rw ~' l q j " j ±'qj' ±x" | g l n rv j pn σ~rw~mm 'qn " qr' n p" mwp kx~j w m~j ±~ ~nwmf |rwp g l n |npr~|j' rxwl
- F y|x p|n~k j| ~qx" ~" y " qrun |npr~n|rwp 'qn g l n j w m' qnw %~- ..y r q

] ppr s y' %v n~j pn r~nr-yj ±nmj ~'qn y|xp|n~kj | l xv y un' n~

- N'qn g l n r~|npr~n|nmj ψnj m± 'qnw' 'qn %M ≤yprn r q Onpr %v n~j pn ~qx" ~" y 1Zqn |npr~|j 'rxwv n|g l n r~j ~αux" →



NĒBK b

Zj y Ln q rw'qn Wr b r w n|g l n 'x nw n| 'qn l j |m|npr~|j 'rxwyj pn1

- Y" r yn 'qn l j |m" w m|w nj 'q 'qn l j |m|nj mwp j |nj xw'qn Hj |m w n|g l n 1 Zqn |npr~|j 'rxwxo'qn l j |m" ru kn ~' l l n~d ū
- N'qn l j |m qj ~ j ψnj m± knnw |npr~n|nr' 'qn v n~j pn %N ..." Ln q nyrnq r ~ .y'q%g y y nj |~1Zqn |npr~|j 'rxwv n|g l n uxxt ~ut n' qr->



NĒB p

Zj y Yn ...q rw 'qn Wr b r rw n|ġ l n 'x nw n| 'qn yj ~' x|m|npr~|j 'rxw yj pn1

- Uw'qn Vj ~' x|m rw n|ġ l n/nw n| 'qn |nz" r|nmyj ~' x|mj wm|nŋw n| 'x l xw|v r' j wm'j y XT1
- N'qn |nŋw n|nmyj ~' x|mr~mŋ|nw d xv 'qn rw' rj u±nw n|nmyj ~' x|m' 'qnw'qn m~r|n y|xv y'~'qn v n~j pn j ~%Yn ...q q..r ~... z n pu"% " qn|n'qn" ~n| wnm~'x |nŋ xw|v 'qn yj ~' x|mj pj rwl
- Zqn yj ~' x|mv j ±l xw j rw9 'x ; mpr' ~k±mq " ū1

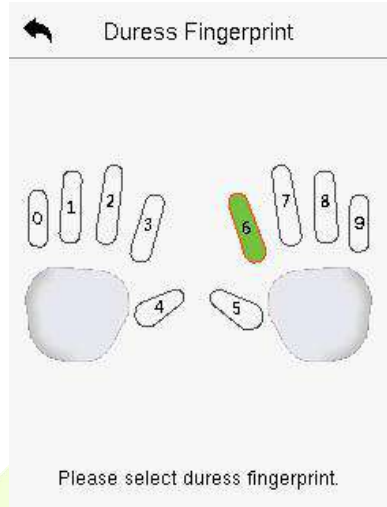


NĒBM Z b r

Zqn l ppr L... ..y[..y' ..y' n'~'qn mxx| j l l n~y|f-runpn α| nj l q " ~n|1N rw ũ mm~ 'qn j l l n~p|x"y/-n|rdt j 'rxw v x m j w m' ġ l r d j 'n~n' r w p' qn p|x"y j l l n~ 'iv n y n|x m l

- Zj y l ppr L... ..y[..y' C l ppr P ... ≤ 'x j ~rpw' qn |npr~n|nm" ~n|~ 'x m a n |n w p|x"y~α| kn'n| v j w j p n v n w 1T n" " ~n|~k n u x w p' x L|x"y 4 k ± m ġ " ũ j w m l j w k n |n j ~r p w n m' x x' q n | p|x"y~1 Z q n m m -r l n ~" y y x | ~ "y 'x << F l l n ~ H x w | x u p | x " y ~ 1
- Zj y a w r Y r v . q ' x ~ n u n l ' ' q n ' i v n ' x " ~ n 1
- Z q n " ~ n | v j ± ~ y n l r a ± x w n x | v x | n a w p n | y | r w ~ ' q j ' q j - n k n n w | n p r ~ n | n m j ~ j n ě | n ~ a w p n | y | r w + ; 1 _ q n w y | n ~ ' q n a w p n | l x | | n - y x w m w p ' x ' q n n ě | n ~ a w p n | y | r w x w ' q n - n w - x | j w m y j ~ ' q n - n | r d t j ' r x w ' q n ± ~ n v " r u i v n n m j ' n u ± p n w n | j ' n j n ě | n ~ j ġ | v 1

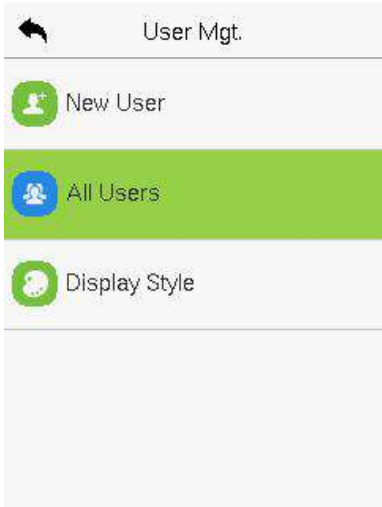
← Access Control
Access Group
1
Time Period
Duress Fingerprint
Undefined



8.2 s u

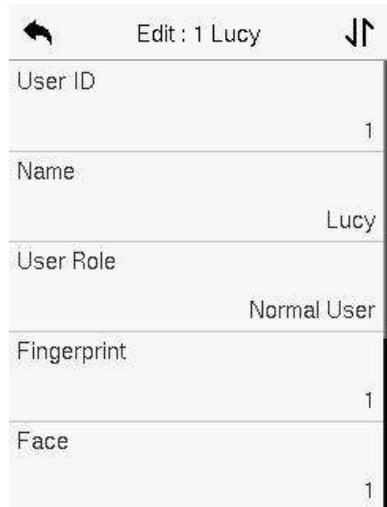
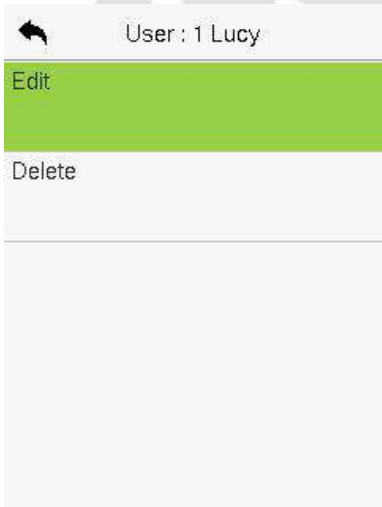
Uw'qn **Vnv-Vr~** /'jy **br** **Vt** 3j wmqnw'jy **lyb r** 'x ~nj || qj [~n|1

- Uw'qn **lyb r** w'n|g|n/'jy xw'qn ~nj || qj | xw'qn " ~n|*~ u~ 'x nwn| 'qn |nz" r|nm|n'|m-j utn±" x|m-# qn| 'qn tn±" x|m v j ± kn 'qn " ~n| N /~ |wj v n/x| d' uwj v n, j wmqn ~±~nv " ru~nj || q α| 'qn |nj' nm " ~n| rwx|v j' rxw|



8.3 d u

Uw'qn l yz b r w'n|g l n'j y xw'qn |nz" r|nm" ~n| d xv 'qn u~ j wm'j y Nqv
 'x nm' 'qn" ~n| mα|v j 'rxwl



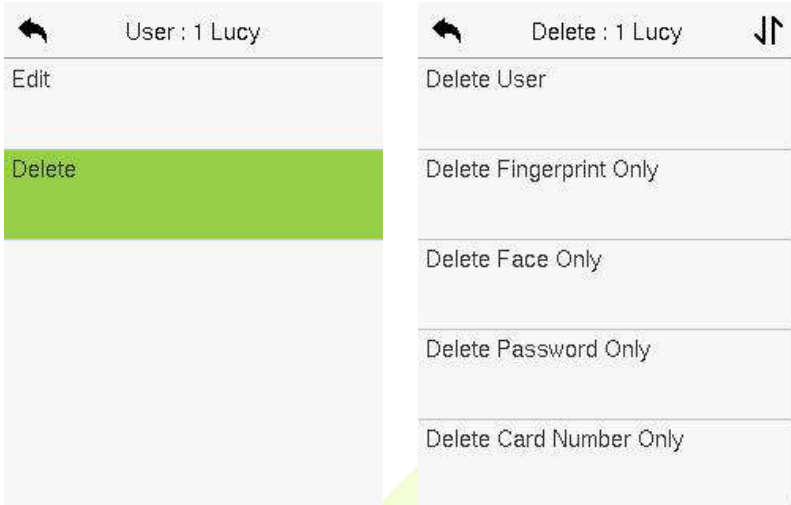
____ Zqn y|x l n~xonnr' rwp 'qn " ~n| rwx|v j 'rxwr~'qn ~j v n j ~j mmp j wn"
 " ~n|/ n~ny' 'qj' 'qn [~n| Nl l j wwx' kn v xmtanm" qrun nmr' rwp j " ~n| Zqn
 y|x l n~rwm' j ru| nq| ~'x %9 # [~n| Xnpr~| j 'rxw%

8.4 c u

Uw 'qn l **yyb r** wñ| g| n/ 'j y xw 'qn |nz' r| nm " ~n| q xv 'qn u~ j wm 'j y
Mry r 'x mnu'n 'qn " ~n| x| ~ynl røt " ~n| rwx|v j 'rxw q xv 'qn m~rl n1 Uw 'qn
Mry r wñ| g| n/ 'j y xw 'qn |nz' r| nmxyñ| j 'rxw j wm' qnw' j y **XT** 'x l xw|v
 'qn mnu' rxw|

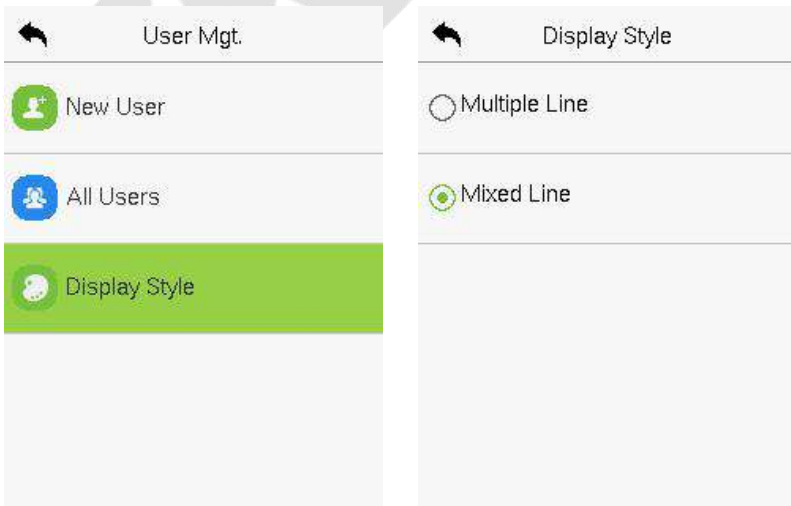
Mry r Xsr n v.~

- **Mry r b r Bl** nu'n n~j u' qn " ~n| rwx|v j 'rxw ~mun' n~' qn ~nuñl ' nm [~n| j~j " qxun, q xv 'qn l n~rl n1
- **Mry r O~tr ≤ v~ X~y Bl** nu'n n~' qn øwpñ|y|rw| rwx|v j 'rxw xo 'qn ~nuñl ' nm " ~n| 1
- **Mry r Onpr X~y Bl** nu'n n~' qn g| n rwx|v j 'rxw xo' qn ~nuñl ' nm " ~n| 1
- **Mry r Yn ...q X~y Bl** nu'n n~' qn yj ~' x|m rwx|v j 'rxw xo 'qn ~nuñl ' nm " ~n| 1
- **Mry r Ln q W z or X~y Bl** nu'n n~' qn l j |m rwx|v j 'rxw xo' qn ~nuñl ' nm " ~n| 1



8.5 C S

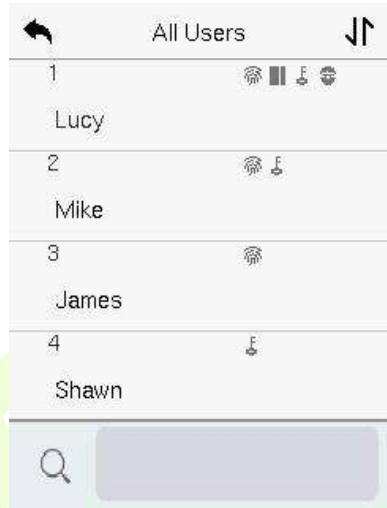
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F u' qn l r-yj ±Y' ±un~j |n ~qx" wj ~knx" >

S " úry un Rrwn>

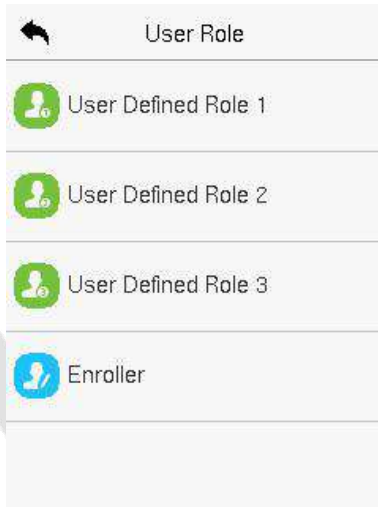
S r ~mRrwn>



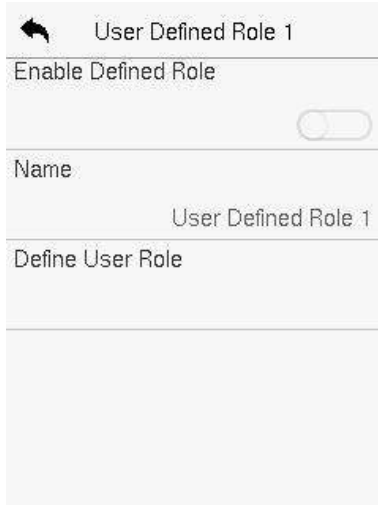
O u r

b r [..y_r g l r u j ' n ~ ' x j ~ r p w ~ x v n ~ y n l r o l y n | v ~ r ~ x w ~ ' x l n | ' j r w " ~ n | ~ / k j ~ n m x w ' q n | n z " r | n v n w 1

- Uw'qn **Vnw** v n w' / ' j y **b r** [..y_r / j w m ' q n w ' j y x w ' q n **b r** **Mrsv-rq** [..y_r ' x ~ n ' ' q n " ~ n | m a o n m y n | v ~ r ~ x w ~ 1
- Zq n y n | v ~ r ~ x w ~ 1 x y n x o ' q n l " ~ x v | x u n | j w k n ~ n ' " y r w x 6 | x u n ~ ' q j ' r ~ ' q n l " ~ x v x y n | j ' r w p ~ 1 x y n x o ' q n v n w' d' w l ' r x w ~ x o ' q n " ~ n | 1



- Uw'qn **b r** **Mrsv-rq** [..y_r r w n | g l n / ' x p p u n **N-noy** **Mrsv-rq** [..y_r ' x n w j k u n x | m ~ j k u n ' q n " ~ n | m a o n m | x u n 1
- Z j y x w **Whz** r j w m n w n | ' q n l " ~ x v w j v n x o ' q n | x u n 1



- Zqnw/ k± 'j yywp xw l nawn [~n] Xxun/ ~nuni ' 'qn |nz" r|nm y|r-runpn~α| 'qn wn" |xun/ j wm' qnwy|n~~'qn Xn" |wk""'xwl
- l " |rnp y|r-runpn j ~rpw nw/ 'qn v j rw v nw" d' wl 'rxw wj v n~" ruw kn nr~yū ±nmxw' qn und j wmi' ~~' k0v nw' ~" ruwkn ur~ nmxw' qn |rpq' 1
- Kf|~ 'j y xw' qn |nz" r|nm **V nw~ V r~** d' wl 'rxw wj v n/ j wm' qnw ~nuni ' r' ~ |nz" r|nm ~' k0v nw' ~qxv 'qn ur~ 1

← User Defined Role 1 ↕

<input checked="" type="checkbox"/> User Mgt.
<input checked="" type="checkbox"/> Comm.
<input checked="" type="checkbox"/> System
<input type="checkbox"/> Personalize
<input type="checkbox"/> Data Mgt.

← User Role

<input checked="" type="radio"/> Normal User
<input type="radio"/> Enroller
<input type="radio"/> Super Admin

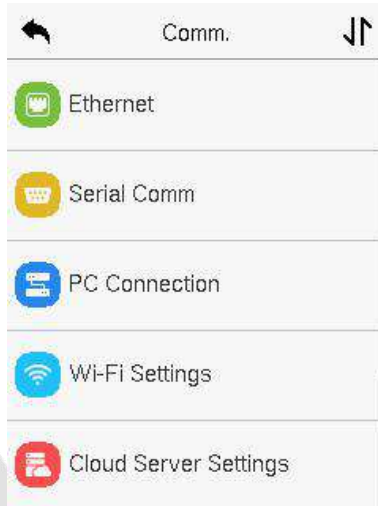
_____ N'qn [~n] Xxun r~nvj kunmox| 'qn l n~rl n/'j y xwb r V t 3F Wr b r F
 b r [..y' x j ~rpw'qn l |nj' nm|xun~'x 'qn |nz" r|nm" ~n|~l G' ' ro'qn|n r~w
 ~'y n| j mv rw~|j'x| |npr~|nm rw 'qn l n~rl n/ 'qnw 'qn nm~rl n " ru y|xv y'
 %Y n r r ~ ..y s r nqz v~sv "% qnwnvj kuwp 'qn [~n] Xxun d' wl 'rxwl

ED b s

Hxv v " wrl j ' rxwYn' ' rwp~j | n " ~nm' x ~n' ' qn yj | j v n' n' ~xo' qn T n' " x|t / Yn| rj u

Hxv v /VH Hxwwnl ' rxw_ rQkr/Hx" mYn|~n|/_ mpj wnl j wmt n' " x|t l ij pwx~r-1

Zj y **LXVV** 3xw' qn v j rrv n w' 1



10.1 n s

_ qnw' qn m~rl n wnm~' x l xv v " wrl j ' n " r' q j V H x~n| ' qn J' qn|wn' /±x" wnm
' x l xwap" | n wn' " x|t ~n' ' rwp~j wmw~" | n' qj ' ' qn m~rl n j wmqn V H l xwwnl ' ' x
' qn~j v n wn' " x|t ~npv nw 1

Zj y **Nur** ~r xw' qn **L.z z** 3Yn' ' rwp~rw|n|g l n' x l xwap" | n' qn ~n' ' rwp~1

Ethernet	
IP Address	192.168.163.99
Subnet Mask	255.255.255.0
Gateway	192.168.163.1
DNS	0.0.0.0
TCP COMM.Port	4370

O ~p v.~ Mr p v.~

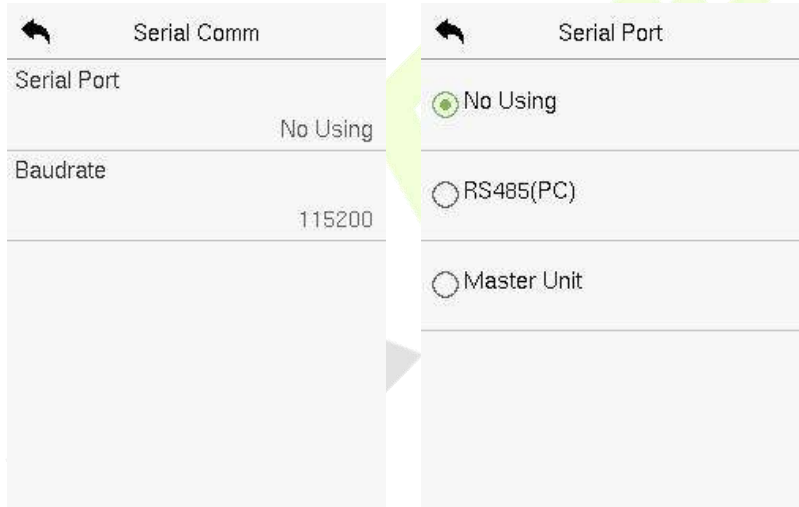
O ~p v.~ Whz r	Mr p v.~
R l qq r	Zqn rmj "ù N j m n~ ~ 4<5 49; 45341 N l j w kn v x n r a n m j l l x n m w p ' x ' q n w n " x t j - j n j k r u' ± 1
] o~r V n x	Zqn rmj "ù Y" k w n' S j -t ~ 588 588 588 B1 N l j w kn v x n r a n m j l l x n m w p ' x ' q n w n " x t j - j n j k r u' ± 1
P n r n	Zqn l n g "ù L j ' n " j ± j m n ~ ~ 3 B B B 1 N l j w kn v x n r a n m j l l x n m w p ' x ' q n w n " x t j - j n j k r u' ± 1
MM	Zqn rmj "ù I T Y j m n ~ ~ 3 B B B 1 N l j w kn v x n r a n m j l l x n m w p ' x ' q n w n " x t j - j n j k r u' ± 1
aLY LXV V 3Y...	Zqn rmj "ù Z H V H U S S V x ' - j ū n r ~ 76: 31 N l j w kn v x n r a n m j l l x n m w p ' x ' q n w n " x t j - j n j k r u' ± 1
MQLY	I ± v j v r l M x ~ H x w a p " j ' r x w V x ' x l x u m ± v r l j u ± j u x l j ' n ~ N j m n ~ n ~ α l u n w ~ ~ r j ~ n - n 1

<p>Mv ≤yn v~] n Kn</p>	<p>Zxppun 'x ~n' " qn'qn 'x m~yij ±'qn wn'" x t rl xwxw'qn ~j'" ~kj 1</p>
--	--

10.2 s b

Yn|rij uHxv v ' w l 'rxw n~j k u~qn~ l xv v " w l j 'rxw" ' r' q 'qn m~rl n 'q|x" pq j ~n|rij uyx|' XY7; 8S j ~n| [w', 1

Zj y] r vnyL.z z 3xw'qn L.z z 3Yn' wp~w'n|g l n1



O ~p v.~ Mr p v.~

O ~p v.~ Wnz r	Mr p v.~
<p>] r vnyY...</p>	<p>W..b v-tBTx l xv v " w l j 'rxw" ' r' q 'qn m~rl n 'q x" pq 'qn ~n rij uyx ' 1</p> <p>[] 9@ -YL.BHxv v " w l j 'n " ' r' q 'qn m~rl n 'q x" pq 'qn XY7; 8 ~n rij uyx ' 1</p> <p>V n r b~vB_ qnw XY7; 8 r~ " ~nm j ~ 'qn ' w l 'rxw x o %V n r ~v% l j wkn l xwwnl 'nm'x j l j m nj m 1</p>

<p>Kn q [n r</p>	<p>Zqn n j n 7 kj"m j'n xy'rxw~ j' " qrl q 'qn mj'j l xv v " wlj' n~ " r'q VH1 Zqn± j n> 448533 +mqg " ù,/ 8: 933/6; 733/j wm4<5331</p> <p>Zqn qrpqn 'qn kj"m j'n/ 'qn g~n r~ 'qn l xv v " wlj' rxw~ynnnt'k" j ux un~ nuj kun1</p> <p>Mnw n/ j qrpqn kj"m j'n l jw kn " ~nm " qnw 'qn l xv v " wlj' rxw nr~j wln r~ ~qx @ " qnw 'qn l xv v " wlj' rxw nr~j wln r~ uxwp/ l qxx~wp j ux" n kj"m j' n r~v x n nuj kun1</p>
--------------------------	--

10.3 pb b

Hxv v Pn± g l r' j' n~ 'x iv y|x~n 'qn ~nl" |r± xo'qn mj'j k± ~n' rwp " y 'qn
 l xv v " wlj' rxwkn" nnw'qn m~rl n j wm'qn VH1Uw n 'qn Hxv v Pn± r~ ~n' / j
 yj ~' x|mr~|nz" r|nn'x l xwml ' 'qn m~rl n'x 'qn VH~xó" j |n1

Zj y **YL L..~r p v..~** xw 'qn **L..z z 3** Yn' rwp~ rwn|g l n 'x l xwop" |n 'qn
 l xv v " wlj' rxw~n' rwp~1

O ~p v..~ Mr p v.~

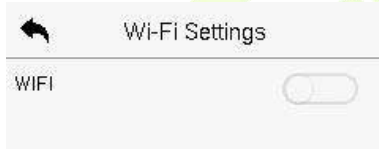
<p>O ~p v..~ Wnz r</p>	<p>Mr p v.~</p>
<p>L..z z Tr</p>	<p>Zqn mqg " ù yj ~' x mr~3 j wml j wkn l qj wpmnl Zqn Hxv v Pn± l j w l xw j rw4Ø mpr' ~1</p>
<p>Kn q [n r</p>	<p>Nl r~ 'qn mmw r'at j' rxw w'v kn xo 'qn m~rl n/ " qrl q j wpn~kn" nnw4 j wm5871</p> <p>Ñ 'qn l xv v " wlj' rxw v n'qxm r~ XY7; 8/ ±x" wnnm 'x rwy" 'qr~ m~rl n Nl rw 'qn ~xó" j n l xv v " wlj' rxw rwn g l n1</p>

10.4 w A e s


Zqn mm-rl n y|x-mm~j _ r0Kr v xnf un/ " qrl q l j w k n k " r0Qw " r' qrw' qn mm-rl n v xnf un x| l j w k n n~n| wj u± l x w w n l ' n m l

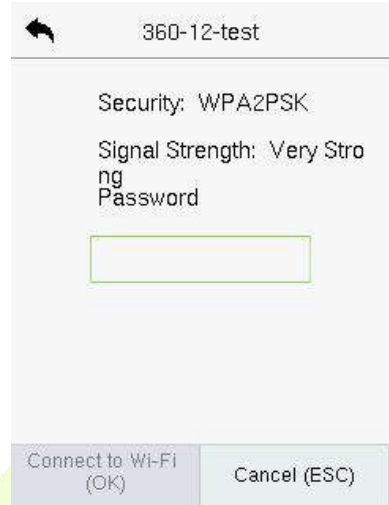
Zqn _ r0Kr v xnf un nwj kun~ nj ' j ' | j w v r~xw ~rj _ r0Kr ± r| n n u ~ K m m u ± j w m n ~ j k u r - q n ~ j " r| n n u ~ w n l " x | t n w - r | x w n w 1 _ r0Kr r ~ n w j k u n m k ± m g " ù r w ' q n m m - r l n 1 n ± x " m x w ' w n n m ' x " ~ n ' q n _ r0Kr w n " x | t / ± x " l j w ' x p p u n ' q n _ r0Kr ' x m r - j k u n ' q n k " ' ' x w l

Zjy d v0v] r v-t xw'qn L.z z 3 Yn'' rwp~ rwn|g l n 'x l x w o p " | n ' q n _ r0Kr ~ n ' ' r w p ~ 1




➤] r n p u v - t u r d v0v r ...x

- _ NK Nr ~ n w j k u n m r w ' q n m m - r l n k ± m g " ù 1 Z x p p u n ' q n  k " ' ' x w ' x n w j k u n x | m r - j k u n _ N K N
- U w l n ' q n _ r0Kr r ~ " | w n m x w ' q n m m - r l n " r u ~ n j | l q o | ' q n j - j r j k u n _ r0Kr " r' q r w ' q n w n " x | t | j w p n 1
- Z j y x w ' q n | n z " r | n m _ r0Kr w j v n q x v ' q n j - j r j k u n u r ~ j w m r w y " ' ' q n l x | | n l ' y j ~ ~ x | m r w ' q n y j ~ ~ x | m r w n | g l n / j w m ' q n w ' j y L . . . ~ r p ... d v0v - X T . 1



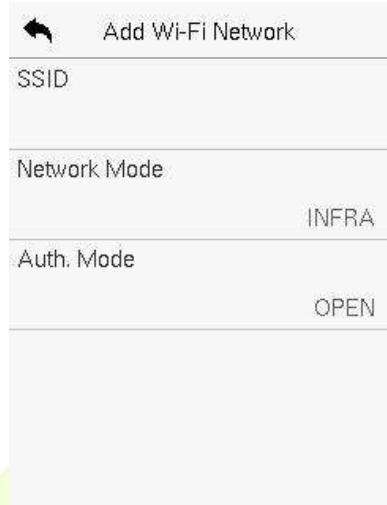
d rORn-nyo y qBZj y xw'qn |nz" r|nm
wn" x|t qv 'qn ~j|l qnm
wn" x|t ur~1

Zj y xw'qn yj ~' x|m amun'x nw n|
'qn yj ~' x|m j wm'j y xw **L...r p**
..d vQv-XT.3

- _ qnw'qn _ NKnr~l xwwnl 'nm~' l l n~d' ut' qn rw' rj urw n|g l n " ruur-y ü ±
'qn_ rQr  xpx1

➤ **I qqv-t d vQvWt ...x V n~ nyj**

Zqn_ rQr |j wj ux kn j mmmv j w'j ut ro'qn |nz" r|nm_ rQr nx n~wx' ~qx" xw
'qn ur~1



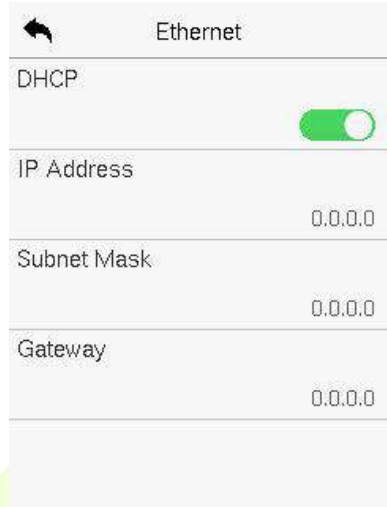
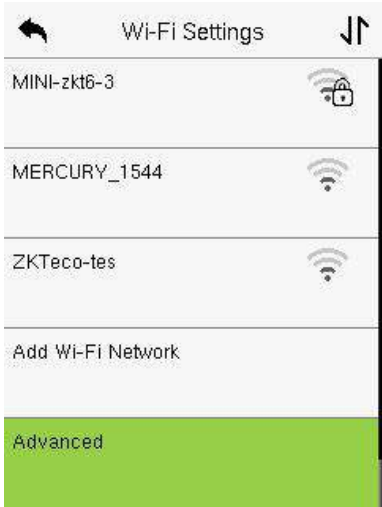
Zj y xw l q q d v20vWr ...x 'x j nm
'qn_ r0Krv j w' j ut1

Uw 'qr~ wñ|g|n/ nWñ| 'qn _ r0Kr
wn'" x|t yj|j v n'n|~1 +Zqn j mmm
wn'" x|t v " ~ n~r~j }

____ F dñ| ~| l n~ø' ut j mmmwp 'qn _ NKV j w' j ut/ αux" 'qn -j v n y|x| n~'x
~nj |l q α| 'qn j mmm_ r0Krv j v n1

➤ **l q n~prq]r v-t**

Uw 'qn d v20v]r v-t wñ|g|n/ 'j y xw l q n~prq 'x ~n' 'qn |nun-j w
yj|j v n'n|~j ~|nz" r|nmñ

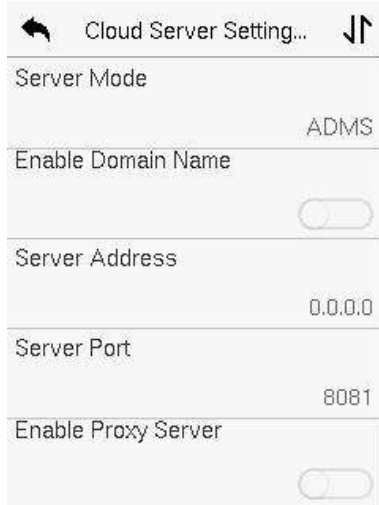


O ~p v.~ Mr p v.~ v.~

O ~p v.~ Wnz r	Mr p v.~ v.~
MQLY	I ±vj v rl Mx~ Hxwop" j'rxw V x'xI xu + MHV, m±vj v rl j u± j ux l j 'n~ IV j nm}n~n~ 'x wn'" x t l umw ~1 N 'qn l MHV r~nvj kunm' qnw' qn IV l j wwx' kn ~n' v j w' j u±1
R' l qq r	Zqn IV j nm}n~ α 'qn _ r0Kr wn'" x t/ 'qn mg" ú r~ 3BBB1 N l jw kn v x m r n m j l l x m w p 'x 'qn wn'" x t j -j r j k r u r ±1
] o~r V n x	Zqn mg" ú Y" kwn' S j -t xo 'qn _ r0Kr wn'" x t r~ 588588588B1 N l jw kn v x m r n m j l l x m w p 'x 'qn wn'" x t j -j r j k r u r ±1
Pn r n	Zqn l ng" ú Lj'n" j ± j nm}n~ r~ 3BBB1 N l jw kn v x m r n m j l l x m w p 'x 'qn wn'" x t j -j r j k r u r ±1

10.5 b s s

Zj y Ly.. q] r r] r v-t xw' qn L.z z 3Yn' rwp~rw n] g l n' x l xw n l " ' r' q' qn
FI S Y ~n|~n|1



O ~p v.~ Mr p v.~

O ~p v.~ Whz r		Mr p v.~
N~noy M.z nv~ Whz r] r r l q q r	Uw l n' q r~v x m r~" w n m U T / ' q n m x v j r w w j v n v x m % q' y z m % " r u k n " ~ n m' ~' l q j ~ q' y z " " " a b c 1 x v / " q r u n % a b c % m w x' n ~' q n n x v j r w w j v n 1
Mv noy M.z nv~ Whz r] r r l q q r	Zq n W j m m' n ~ x o' q n F I S Y ~ n ~ n 1
] r r Y...	V x ' " ~ n m k ±' q n F I S Y ~ n ~ n 1
N~noy Y ...] r r		Zq n W j m m' n ~ j w m' q n y x ' w' v k n x o ' q n y x ~ ± ~ n ~ n ~ n ~' v j w' j u ±' q n w' q n y x ~ ± r ~ n v j k u n m l

QaaY]	Gj ~nm xw MZZV/ ' j w~v r~rxw nwl ±y' rxw j wm mmw' r ± j "' qnw' r l j' rxw nw~' n~ ' qn ~nl "' r' ± x o' qn' j w~v r~rxwy x l n~1
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10.6 w s

N r~" ~nm' x ~n' ' qn_ mpj wnrwy"' j wmx"' y"' yj | j v n' n|~1

Zj y **d vt n~q] r** ≤ xw' qn **L.z z 3Yn'** wp~rw' n| g l n' x ~n' " y ' qn_ mpj wm
nrwy"' j wmx"' y"' yj | j v n' n|~1

 Wiegand Setup
Wiegand Input
Wiegand Output

ED&E w h

 Wiegand Options	
Wiegand Format	
Wiegand Bits	26
Pulse Width(us)	100
Pulse Interval(us)	1000
ID Type	User ID

O ~p v.~ Mr p v̄ v.~

O ~p v.~ Whz r	Mr p v̄ v.~
d vt n~q O...z n	N~ -j ū n l j w kn 59 kr'~ / 67 kr'~ / 69 kr'~ / 6: kr'~ / j wm83 kr'~1
d vt n~q Kv	Zqn w' v kn xokr' ~xo' qn_ mpj wmmj 'j 1
Y yr d q u- .	Zqn -j ū n xo' qn y" un " m'q ~nw k±_ mpj wmr~ 433 v rl x~nl xwm~ k± m'g " ū/ " qrl q l j w kn j m'~ ~nm " r'qw 'qn j wpn xo 53 'x 733 v rl x~nl xwm~1
Y yr R- r ny .	Zqn m'g " ū -j ū n r~4333 v rl x~nl xwm~ j wml j w kn j m'~ ~nm " r'qw 'qn j wpn xo 533 'x 53333 v rl x~nl xwm~1
Ma ≤r	Ynunl' kn'" nnw' qn [~n] Nl j wml j mw' v kn 1

cn v.. L.z z ..~ d vt n~q O...z n Mr p v̄ v.~B

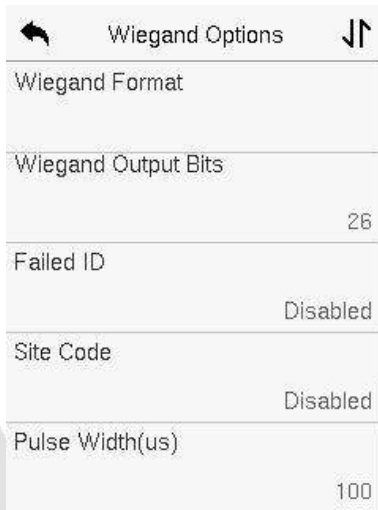
d vt n~q O...z n	Mr p v̄ v.~
d vt n~q7<	JHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH N l xwr~ ~xo 59 kr'~ xokw j ± l xmm1 Zqn 4' kr' ~' qn n~nw yj r'± kr' xo' qn 5 ^{mm} x 46 ^q kr' ~" qrun' qn 59 ^q kr' ~' qn xmm yj r'± kr' xo' qn 47 ^q x 58 ^q kr' ~1 Zqn 5 ^{mm} x 58 ^q kr' ~j n' qn l j mw' v kn ~1

<p>d v r t n~q7<n</p>	<p>JYYYYYYYYHHHHHHHHHHHHHHHU</p> <p>N l xw~r~ ~xo59 kr~xokwj ± l xmm1Zqn 4² kr' r~'qn n~nwyj r'±kr' xo'qn 5^{vm'}x 46^q kr' ~" qrun 'qn 59^q kr' r~ 'qn xmmj r'±kr' xo'qn 47^q 'x 58^q kr' ~1Zqn 5^{vm'}x <^q kr' ~r~'qn ~r' n l xmm~" qrun 'qn 43^q 'x 58^q kr' ~j n'qn l j mw' v kn ~1</p>
<p>d v r t n~q89</p>	<p>JHHHHHHHHHHHHHHHHHHHHHHHHHU</p> <p>N l xw~r~ ~xo67 kr~xokwj ± l xmm1Zqn 4² kr' r~'qn n~nwyj r'±kr' xo'qn 5^{vm'}x 4: ^q kr' ~" qrun 'qn 67^q kr' r~ 'qn xmmj r'±kr' xo'qn 4; ^q 'x 66^{lm}kr' ~1Zqn 5^{vm'}x 58^q kr' ~j n'qn l j mw' v kn ~1</p>
<p>d v r t n~q89n</p>	<p>JYYYYYYYYHHHHHHHHHHHHHHHHHHHU</p> <p>N l xw~r~ ~xo67 kr~xokwj ± l xmm1Zqn 4² kr' r~'qn n~nwyj r'±kr' xo'qn 5^{vm'}x 4: ^q kr' ~" qrun 'qn 67^q kr' r~ 'qn xmmj r'±kr' xo'qn 4; ^q 'x 66^{lm}kr' ~1Zqn 5^{vm'}x <^q kr' ~r~'qn ~r' n l xmm~" qrun 'qn 43^q 'x 58^q kr' ~j n'qn l j mw' v kn ~1</p>
<p>d v r t n~q8<</p>	<p>UKKKKKKKKKKKKKKKKKHHHHHHHHHHHHHS S J</p> <p>N l xw~r~ ~xo69 kr~xokwj ± l xmm1Zqn 4² kr' r~'qn xmm y j r'±kr' xo'qn 5^{vm'}x 4; ^q kr' ~" qrun 'qn 69^q kr' r~'qn n~nwyj r'±kr' xo'qn 4<^q 'x 68^q kr' ~1Zqn 5^{vm'}x 4: ^q kr' ~ r~'qn mm~r' n l xmm~1 Zqn 4; ^q 'x 66^{lm}kr' ~r~'qn l j m w' v kn ~j wm'qn 67^q 'x 68^q kr' ~j n'qn v j w' g l " n l xmm~1</p>

#L#mwk'n~'qn l j |mw' v kn|@#mwk'n~'qn n~wyj |r'±kr' @X#mwk'n~'qn xmyj |r'±kr' 1

#O#mwk'n~'qn g l r'±l x m @V #mwk'n~'qn v j w' g l ' " |n| l x m @Y#mwk'n~'qn y j |r'±kr' @ w m # #mwk'n~'qn ~r' n l x m 1

EDB.F w o



O ~p v.~ Mr p v. v.~

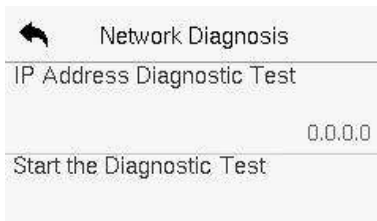
O ~p v.~ Whz r	Mr p v. v.~
d v r t n ~ q O . . z n	N~ - j ū n l j w k n 59 k r' ~ 67 k r' ~ 69 k r' ~ 6: k r' ~ / j w m 83 k r' ~ 1
d v r t n ~ q X ≤ K v	F ó n ~ n u l ' n w p ' q n n z " r n m _ m p j w m α v j ' / ~ n u l ' ' q n l x n ~ y x w m w p x " y " ' k r' m p r' ~ d x v ' q n _ m p j w m α v j ' 1

Onyr q RM	M'qn -n rot j 'rxw g ru/ 'qn ~±'nv " ru~nw m'qn g runm N 'x 'qn mm-rf n j wm ny y n 'qn l j m w' v kn x yn ~xwvnuN " 'r q'qn vn" xvn1
] vr L..qr	N r~rv nj 'x 'qn mm-rf n N 1Zqn mæon nw n r~'qj ' j ~'n l xmm l j wkn ~n' v j w' j uæ j wmr~ ny nj 'j kun xwj mæon nw mm-rf n1Zqn -j um-j ð n j wpn~dxv 3 'x 589 k±mgj " ù1
Y yr d vq u- .	Zqn 'rv n " m'q ny n~nw~ 'qn l qj wpn~ rw 'qn z'j w' r± xo nunl' r l qj pn " 'r q np" y qrpq0qnz" nw ± l j yj l r' j w n " 'r qw j ~ynl rænm 'rv n1
Y yr R- r ny .	Zqn 'rv n rw n -j uk n" nnwy" ùn~1
RMa ≤r	Ynunl' 'qn N '±yn~ j ~ nr'qn [~n] N x l j m w' v kn 1

10.7 n c

Nqny~'x ~n' 'qn wn' " x|t mj pwx~r~yj |j v n' n|~1

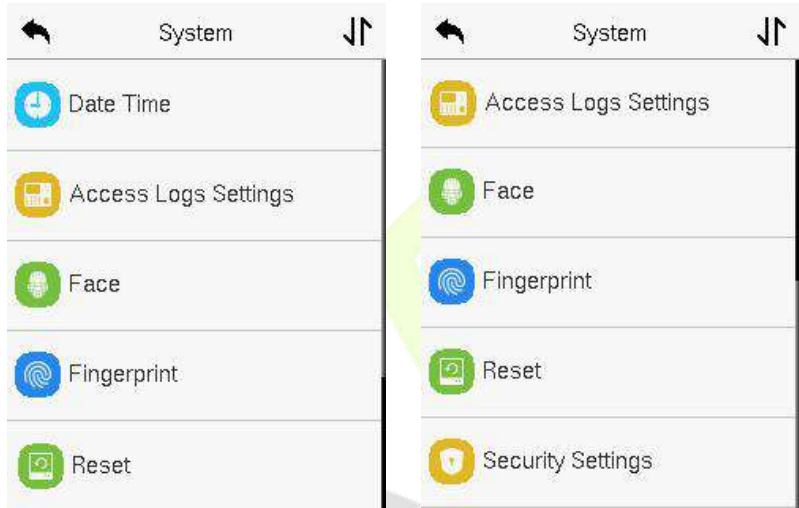
Zj y **Wr ...x Mnt ~...v** xw'qn **L.z z 3Yn'** wp~rw n|g l n1J w n| 'qn **IV** j mm|n~ 'qj' wnm~ 'x kn mj pwx~nm j wm 'j y] **n ur Mnt ~... v p ar** 'x l qnl t " qn'qn| 'qn wn' " x|t l j w l xwvnl' 'x 'qn mm-rf n1



EE S _____ S

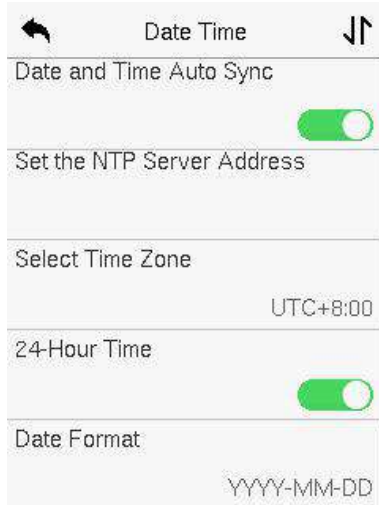
N qny~ 'x ~n' |nų'nm±'nv yj |j v n'n|~'x xy'iv r'n 'qn j | | n~rknr± xo'qn
m~rl n1

Zj y] **rz** xw'qn **Vnv~Vr~** wñ|ğ l n'x pn' wlx r'~v nw' xy'rxw-1



11.1 c t

Zjy **Mh r a v r** xw'qn] rz w'n|q| n'x ~n' 'qn mj' n j wm'rv n1



- Zjy **Mh r n~q a v r l** ..] ~p'x nwj kun j" 'xv j' r d' 'rv n ~±w|q|xw'j'rxw kj ~nmxw'qn ~n|~r| n j m|n ~±x" nw'n|1
- Zjy **V n~ ny Mh r n~q a v r** 'x v j w' j u± ~n' 'qn mj' n j wm'rv n j wm'qnv 'jy 'x L...svz j wm~j ~n1
- Zjy **r r y p a v r g...r** 'x v j w' j u± ~n n l' 'qn'rv n °xw n" qn|n'qn m~r| n r~xl j'nm1
- Jwj kun x| m~j kun'qr~α|v j' k±'jyywp 570Mk" | Ziv n1 n~nwj kunm' qnv ~n n l' 'qn **Mh r Q...z n** 'x ~n' 'qn mj' n1
- Zjy **Mh y t u] n v~t a v r** 'x nwj kun x| m~j kun'qn d' w l'rxw l n~nwj kunm' 'jy **Mh y t u] n v~t V..qr** 'x ~n n l' j nj ±upq' 0j ~rwp v x m j wm'qnv 'jy **Mh y t u] n v~t] r** ≤'x ~n' 'qn ~' r' l q'rv n1

Daylight Saving Setup		Daylight Saving Setup	
Start Month	1	Start Date	00-00
Start Week	1	Start Time	00:00
Start Day	Sunday	End Date	00-00
Start Time	00:00	End Time	00:00
End Month	1		

d rrx V ..qr

Mn r V ..qr

- _ qnw|n~x|wp 'qn g l 'x|±~n' rwp~'qn 'rv n -570qx" |, j wmrj 'n α|v j '

 #bbb6 S 0 l , l j wkn |n~x|nm'k" ' 'qn m~rl n mj 'n j wmrj n l j wx' kn

 |n~x|nml

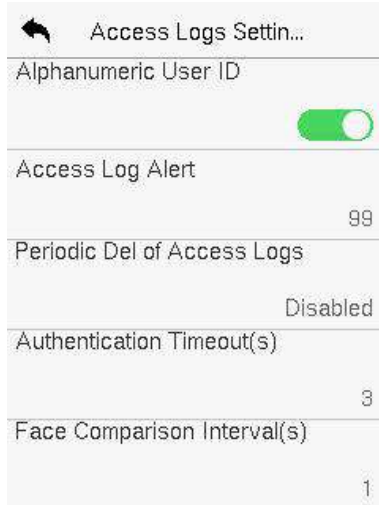
____ Kx| n~v yun/roj " ~n| ~n'~'qn 'rv n xo'qn m~rl n -4; 58 xwS j |l q 48/5353,

 'x 4; 53 xwQ w' j |±4/53541F dn |n~x|wp 'qn g l 'x|±~n' rwp~'qn 'rv n xo'qn

 m~rl n" ru|nv j rwj' 4; 53 xwQ w' j |±4/53541

11.2 Z I s

Zjy l ppr U.t]r v-t xw'qn] rz wñ|q|n1



O ~p v.~ Mr p v.~

O ~p v.~ Whz r	Mr p v.~
I ysun~ z r p b r RM	Jwj kun2 r-j kun'qnj yqj w' v n rl j ~[~n] N1
I ppr U.t l y	<p>_ qnw'qn nl x m~yj l n xo'qn j''nwnj wl n j l l n~ nj l qn~ 'qn v j ~v "v 'q n~qxun -j ū n/ 'qn m~rl n j "'xv j 'rl j ut m~y ū ±~'qn v nv x ± ~yj l n " j wvp1</p> <p>[~n]~ v j ± m~j kun 'qn ō'w l'xw x ~n' j -jum -j ū n kn'' nww4 j wm<<<<1</p>

<p>Yr v.qpMr y.sI ppr U.t</p>	<p>_ qnw j l l n ~ x p ~ n j l q r ~ v j ~ v " v l j y j l r ± / ' qn m - r l n j " ' x v j ' r l j u ± m m u n ' n ~ j ~ n ' x o x u n j l l n ~ x p ~ 1</p> <p>[~ n] ~ v j ± m - j k u n ' q n d ' w l ' r x w x ~ n ' j - j u m - j d ' n k n " n n w 4 j w m <<< 1</p>
<p>I ur ~ qn v.~ a v r</p>	<p>Z q n j v x " w x o ' r v n ' j t n w ' x m - y j ± j ~ l l n ~ d ' u - n r a l j ' r x w v n ~ j p n 1</p> <p>] j u m - j d ' n > 4 ' x < ~ n l x w m ~ 1</p>
<p>Onpr p.z ≤ n v...~ R r ny .</p>	<p>F d n ' q n r w n - j u m m w r o ± w p ~ l u l t n m + n u n l ' n m / α n - j - v y u n / r o ' q n l x v y j r - x w w n - j u r ~ n ' ' x 8 ~ n l x w m ~ / ' q n w ' q n g l n n l x p w ' r x w " r u - n r o ± ' q n g l n n - n ± 8 ~ n l x w m ~ 1] j u m - j d ' n > 3 ' x < ~ n l x w m ~ 1 3 v n j w ~ l x w w ' x " ~ m m w r o ± w p / 4 ' x < v n j w ~ m m w r o ± w p j ' r w n - j u ~ 1</p>

11.3 e p

Zj y Onpr xw'qn] rz w'n]g l n'x px 'x 'qnKj l nyj |j v n'n] ~n''wp~1

Face	Value	Face	Value
1:N Threshold Value	47	Image Quality	70
1:1 Threshold Value	63	Minimum Face Size	80
Face Enrollment Threshold	70	LED Light Trigger Value	80
Face Pitch Angle	30	Motion Detection Sensitivity	4
Face Rotation Angle	25	Live Detection	<input type="checkbox"/>

Face	Value
Live Detection Threshold	70
Anti-spoofing Using NIR	<input checked="" type="checkbox"/>
Anti-flicker Mode	50HZ
Face Algorithm	
Save Photo as Template	<input checked="" type="checkbox"/>

O ~p v.~ Mr p v.~

O ~p v.~ Whz r	Mr p v.~
<p>6BWau r u..yq cny r</p>	<p>[wmn 4ᄡ -n rot j 'rxw v xnm/'qn -n rot j 'rxw" ru xwᄡ kn ~" l l n~ᄡ u" qnw'qn ~v nj r'± kn" nnw 'qn j l z" r nmᄡ l rj urv j pn j wmj u npr~n nmᄡ l rj u 'nv yᄡ' n~r~p nj 'n 'qj w'qn ~n' -j ᄡ n1</p> <p>Zqn -j um-j ᄡ n j wpn~ᄡ xv 3 'x 4331Zqn qrpqn 'qn 'q n~qxum/'qn ᄡ" n 'qn v r~ᄡ nprnv nw j 'n j wm'qn qrpqn 'qn nsl 'rxw j 'n/j wm~rl n -n ~j 1 Nl r~ nl xv v nwmnm'x ~n' 'qn mᄡᄡ " ᄡ -j ᄡ n x07: 1</p>
<p>6Bᄡau r u..yq cny r</p>	<p>[wmn 4ᄡ -n rot j 'rxw v xnm/'qn -n rot j 'rxw" ru xwᄡ kn ~" l l n~ᄡ u" qnw'qn ~v nj r'± kn" nnw 'qn j l z" r nm ᄡ l rj u rv j pn j wm'qn " ~n ᄡ ᄡ l rj u 'nv yᄡ' n~nw xunmw'qn m~rl n r~p nj 'n 'qj w 'qn ~n' -j ᄡ n1</p> <p>Zqn -j um-j ᄡ n j wpn~ᄡ xv 3 'x 4331Zqn qrpqn 'qn 'q n~qxum/'qn ᄡ" n 'qn v r~ᄡ nprnv nw j 'n j wm'qn qrpqn 'qn nsl 'rxw j 'n/j wm~rl n -n ~j 1 Nl r~ nl xv v nwmnm'x ~n' 'qn mᄡᄡ " ᄡ -j ᄡ n x0961</p>
<p>Onpr N~ ..yᄡ r~ au r u..yq</p>	<p>l " rwp ᄡ l n nw xuw nw/ 4ᄡ l xv yj r~xw r~ " ~nm 'x nm'n v rwn " qn'qn 'qn " ~n qj ~ j ᄡ nj mᄡ npr~n nmknᄡ n1</p> <p>_ qnw'qn ~v nj r'± kn" nnw'qn j l z" r nmᄡ l rj u rv j pn j wm j u npr~n nm ᄡ l rj u 'nv yᄡ' n~r~p nj 'n 'qj w'qn ~n' 'q n~qxum' r' rwm j 'n~'qj ' 'qn ᄡ l n qj ~j ᄡ nj mᄡ knnw npr~n nm1</p>
<p>Onpr Yv pu l ~t y</p>	<p>Nl r~'qn yr'l q j wpu n 'xun j w n xoj ᄡ l n ᄡ ᄡ l rj u</p>

	<p>'nv yŷ' n npr~ j' rxwj wml xv yj r-xw </p> <p>Ŋj g l n~y' r' l q j wpun n-t nnm~' qn ~n' -j ū n/ r' " ru k n sŷn nmk± ' qn j ŷx r' qv / r h' r' p w k n m k ± ' qn ' n v w j u ' q " ~ w k n p r ~ j ' r x w j w m l x v y j r - x w w n g l n " ru k n ' r p p n n m l</p>
<p>Onpr [...n v.~ l ~t y</p>	<p>N r ~ ' qn x ' j ' r x w j w p u n ' x u n j w l n x o j g l n o g l r j u ' n v y ŷ ' n n p r ~ j ' r x w j w m l x v y j r - x w </p> <p>Ŋj g l n ~ x ' j ' r x w j w p u n n - t n n m ~ ' q n ~ n ' - j ū n / r ' " ru k n sŷn nmk± ' qn j ŷx r' qv / r h' r' p w k n m k ± ' qn ' n v w j u ' q " ~ w k n p r ~ j ' r x w j w m l x v y j r - x w w n g l n " ru k n ' r p p n n m l</p>
<p>Rz nt r Z nyw</p>	<p>N r ~ ' qn r v j p n z " j ū ± o g l r j u n p r ~ j ' r x w j w m l x v y j r - x w Z q n q r p q n ' qn - j ū n / ' qn l u n j n r v j p n r ~ n z " r n m l</p>
<p>V v- v z Onpr j v r</p>	<p>N ~n' ~' qn v r w v " v g l n ~p n n z " r n m o g l r j u n p r ~ j ' r x w j w m l x v y j r - x w </p> <p>Ŋ ' qn v r w v " v ~p n x o ' qn l j y " n m r v j p n r ~ ~ v j u n ' q j w ' qn ~n' - j ū n / ' q n w r ' " ru k n sŷn nm x o j w m w k ' n l x p w p n m j ~ j g l n 1</p> <p>Z q r ~ - j ū n l j w j u x k n w n y n ' n m j ~ ' qn g l n l x v y j r - x w m r ~ j w l n 1 Z q n g ' q n ' qn r w m - m ' j u r ~ ' qn ~ v j u n ' qn g l n / j w m ' qn ~ v j u n w ' v k n x o y r - n u x o ' qn g l n x k ' j r w n m k ± ' qn j ŷx r' qv 1 Z q n n o x n / j n s ' ~ r w p ' q r ~ y j j v n ' n l j w j n s ' ~ ' qn g ' qn ~ l x v y j r - x w m r ~ j w l n x o g l n ~ 1 _ q n w ' qn - j ū n r ~ 3 / ' qn g l n l x v y j r - x w m r ~ j w l n r ~ w k ' u v r ' n m l</p>

<p>UNMUu a v t r a u r u..yq</p>	<p>Zqr~j d' n l xw xu' qn' " wvp xwj vwxæxo' qn RlI upq' 1Zqn y pn 'qn~j d' n' qn RlI upq' " ru' " wxwx xæv x n d'nz" nwlæ1</p>
<p>V...v.~ Mr rp v.~] r ~ v v v</p>	<p>N ~n' ~' qn~j d' n α 'qn j v x" w' xol qj wpn rw j l j v n j ~anunxo~m" t v w" wj~yx'nwl rj uv x' rxw m' nl' rxw 'qj' " j t n~ " y 'qn 'n v r w j u d' xv ~j wnk±' x 'qn l xv y j r~xw r w n g l n l Zqn y pn 'qn~j d' n/ 'qn v x n ~nw' r~n 'qn ~±' nv " x" unkn/ r h' roj y pn ~j d' n r~n' /' qn l xv y j r~xw r w n g l n j l' r~j' n~" r' q v " l q nj ~n/ j w m' qn v x' rxw m' nl' rxw r~d' nz" nwlæ' rppn nml</p>
<p>Uv r Mr rp v.~</p>	<p>N m' nl' ~' qn ~yxxoj' 'nv y' " ~wp ~r~tkun upq' rv j pn~' x m' n v r w n ro' qn y x~mm kixv n' rl ~x" n~j v yun r~xoj nj uyn ~xw j' æ~n q" v j w knwp, x j g æn ny n~nwj' rxwl</p>
<p>Uv r Mr rp v.~ a u r u..yq</p>	<p>N g l ru' j' n~s' r p r w p " qn' qn 'qn l j y' " nm~r~tkun rv j pn r~j nj uyn ~xw j' æ~n q" v j w knwp, 1Zqn y pn 'qn~j d' n/ 'qn kn' n 'qn j w r 0~yxxæwp yn α v j w l n " ~wp ~r~tkun upq' 1</p>
<p>l ~ v ≤...sv-t b v-t WR</p>	<p>[~wp wnj Qw d j nm ~ynl' j rv j p r w p 'x m m w r æ j w m y n~nw' g t n y q x' x~j w m~m m x~j' 'j l t 1</p>
<p>l ~ v s y p x r V ..q r</p>	<p>N r~ " ~nm" qnw _ l X r~" w n m x æ l N q n y ~' x n m' l n æ l t n " q n w' q n m~r l n ~-l n n w æ j ~q n~j' ' q n~j v n d' n z" n w l ± j ~' q n u p q' 1</p>
<p>Onpr nyt ...vuz</p>	<p>N qj ~ g l r j u j p x r' qv nj' nm r w x v j' r x w j w m y j " ~n' q n g l r j u' n v y y' n " y n j' n l</p>

] n r Yu.....n arz sgn r	F ón m-j kun 'qr~ d' w' rxw' g l n nQnpr~ j' rxw r~ nz" r nmj ón j wj qx r' qv " yplj m1
--------------------------	--

11.4e

Zj y **O~tr** ≤ v xw'qn] rz w'n|g l n 'x px 'x 'qn Kwpn|y|rw yj |j v n' n| ~n' rnp~1

Fingerprint	
1:1 Threshold Value	15
1:N Threshold Value	35
FP Sensor Sensitivity	Low
1:1 Retry Attempts	3
Fingerprint Image	Always Show

O ~p v.~ Mr p v.~

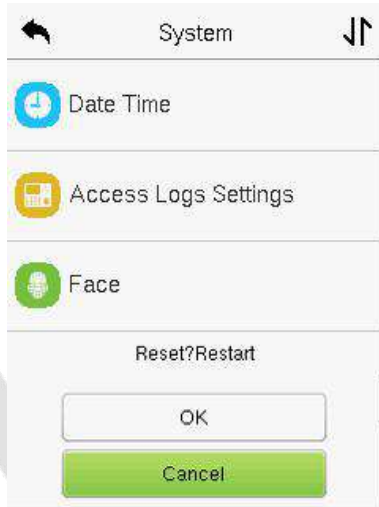
O ~p v.~ Whz r	Mr p v.~
6B au r u..yq cny r	[w m 4A -n r d j ' r x w v n' q x m' ' q n -n r d j ' r x w " r u x w ± k n ~" l l n ~ d' u " q n w ' q n ~ v n j r' ± k n' " n n w ' q n j l z " r n m s w p n y r w' n j ' j w m ' q n s w p n y r w ' n v y g' n j ~ x l r j ' n m " r' q ' q n n w n n m " ~ n N n w x u n m r w ' q n m ~ r l n r ~ p n j ' n ' q j w ' q n ~ n' - j d' n 1

<p>6BWau r u..yqcn y r</p>	<p>[wmm 4T -n rat j 'rxw v n'qxnt' 'qn -n rat j 'rxw " ru xw± kn ~' l l n~'d' u " qnw 'qn ~v nj r' ± kn'" nnw 'qn j l z" r nm awpn y rw nj' j j w m'qn awpn y rw 'nv yij' n~ nw xunm rw 'qn mm~rl n r~ p nj' n 'qj w'qn ~n' -j d' n1</p>
<p>OY[r~ ...]r~ vv v</p>	<p>Zx ~n' 'qn ~nw~rkru± xo awpn y rw j l z" r~' rxw l N r~ nl xv v nwmm 'x " ~n' 'qn mmg" ù un~nu %W r qv z % _ qnw 'qn nw~rl xw nw r~ rj ±/ n~' ù nwp rw ~x" awpn y rw mm'nl' rxw ±x" l j w ~n' 'qn un~nu'x #Qut u%'x j r~n' 'qn ~nw~rkru±@ " qnw'qn nw~rl xw nw r~q" v m' v j t rwp r' qj m 'x mmw rat' qn awpn y rw/±x" l j w~n' 'qn un~nu'x %U... %</p>
<p>6B [r av r</p>	<p>Nv 4A] n rat j 'rxw " ~n ~ v r p q' α pn' 'qn npr~n nm awpn y rw/ x y n~ 'qn awpn rv y xyn ±1Zx nm' l n' qn y x l n~ xo nOw n rwp " ~n N / n' ±r~j ux" nmf</p>
<p>O~tr ≤ v R ntr</p>	<p>Zx ~n' " qn'qn 'x m~yij±'qn awpn y rw rv j pn xw'qn ~ n nw r' rwp awpn y rw nw xuw nw x -n rat j 'rxw l Kx" l qxrl n~j n j -j rj k un></p> <p>] u... s... N~ .yB' x m~yij±'qn awpn y rw rv j pn xw'qn ~ n nw xw± r' rwp nw xuw nw 1</p> <p>] u... s... V n puB' x m~yij±'qn awpn y rw rv j pn xw'qn ~ n nw xw± r' rwp -n rat j 'rxw l</p> <p>l y n] u... B' x m~yij±'qn awpn y rw rv j pn xw~ n nw r' rwp nw xuw nw j w~n rat j 'rxw l</p> <p>W.~r Bwx' 'x m~yij±'qn awpn y rw rv j pn 1</p>

11.5 e r

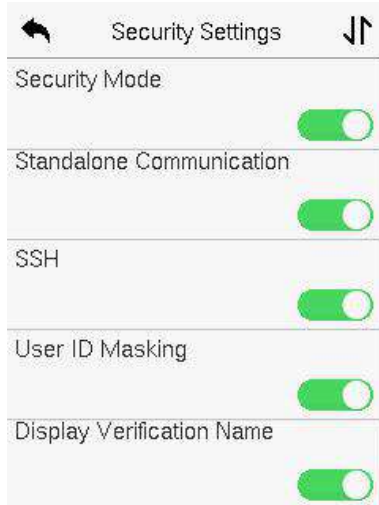
Zqn Kjl'x|±Xn~n' d' wl'rxw|n~x|n~'qn mm~rl n ~n' rwp~~' l q j ~l xv v " wl j'rxw ~n' rwp~j wm~±~nv ~n' rwp~/'x 'qn mmg " ù g l'x|±~n' rwp~+qr~d' wl'rxwmxn~ wx' l unj | |npr~n|nm" ~n| n j ,1

Zj y [r r xw'qn] rz wñ|g l n j wm'qnw'j y XT 'x |n~x|n'qn mmg " ù g l'x|±~n' rwp~1



11.6]rp v]r vt

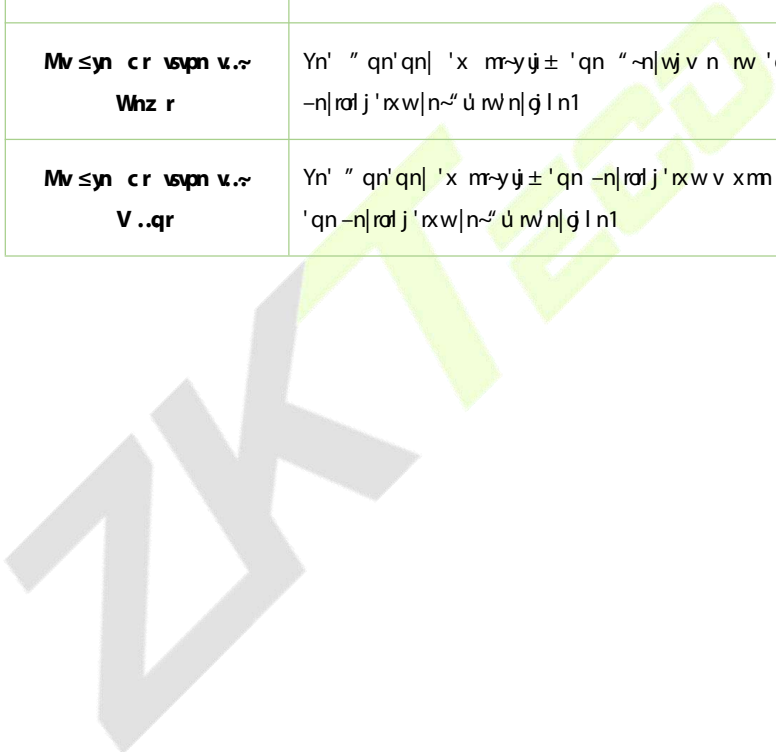
Zj y]rp v]r vt xw'qn] rz wñ|g|n 'x px 'x 'qn Ynl " |r'±~n' rwp~1



O ~p v.~ Mr p v.~

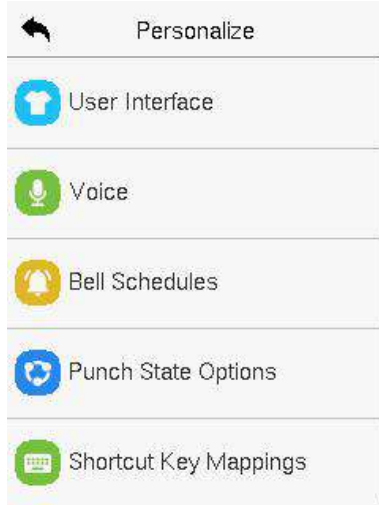
O ~p v.~ Whz r	Mr p v.~
]rp v V..qr	Ynuni ' " qn'qn 'x nwj kun 'qn ~n " r'± v xmm 'x y x'n ' 'qn mm-rl n jwm 'qn " ~n ~ yn ~xwj u rwx v j'rxwl bx" l j w ~n' 'qn mm-rl n 'x " x t xauwn j wm qmm 'qn " ~n ~ yn ~xwj u rwx v j'rxw 'x y n~nw unj tj pn m' rwp " ~n ~n rat j'rxwl
] n~qny.~r L.z z ~pn v.~	Zx j ~xrmknwp " wj kun 'x " ~n " qnw'qn mm-rl n r~ xauwn/±x" l j wmx" wxj m'qn HZY ~x d" j n + " l q j ~cPFI l n ~6B, xw±x" l xv y "'n rwj m-j wl n α xauwn " ~n

<p>J1Q</p>	<p>YYM r~ " ~nm 'x nw n 'qn kj l t p x" wm xo 'qn mm-rl n α v j r w n w j w l n 1</p>
<p>b r RMV n xv-t</p>	<p>_ qnw n w j k u n n' j w m' q n w' q n " ~n r~ " l l n~d' u t l x v y j n m j w m -n r a n n' ' q n [~n N l r w ' q n m r~y j ± n m -n r a j ' r x w n ~' ú " r u k n n y j l n m" r' q j w - 'x j l q m -n ~n l " n y x' n l ' r x w x o ~n w r' r -n y r -j ' n n j ' j 1</p>
<p>Mv ≤ yn cr vspn v.~ Whz r</p>	<p>Yn' " qn' qn 'x m r~y j ± ' q n " ~n w j v n r w ' q n -n r a j ' r x w n ~' ú r w n g l n 1</p>
<p>Mv ≤ yn cr vspn v.~ V ..qr</p>	<p>Yn' " qn' qn 'x m r~y j ± ' q n -n r a j ' r x w v x m r w ' q n -n r a j ' r x w n ~' ú r w n g l n 1</p>



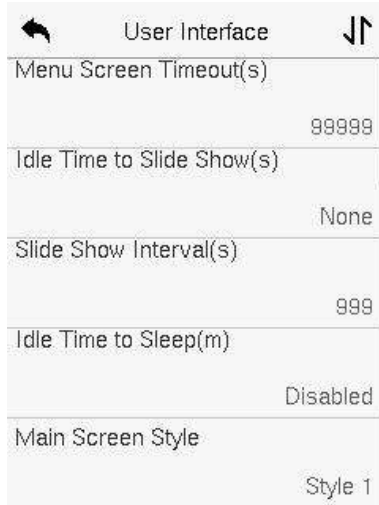
EF p _____ s _____

Zjy Yr ..nyr r 'qn Vnw- Vr~ wngln 'x l" ~xv r'n wngln ~n'wp~
-xrl n/knu'y" w q ~j 'nxy'rxw~j wm~qx|'l"' t n±v jyywp~



12.1 h _____ s _____

Zjy b r R- r snpr xw'qn Yr ..nyr r wngln 'x l" ~xv r'n 'qn nr-yj ± ~±n
xo'qn v j rwwngln1



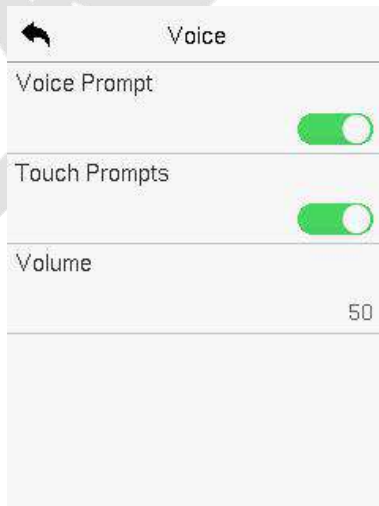
O ~p v.~ Mr p v.~ v.~

O ~p v.~ Whz r	Mr p v.~ v.~
d ny<n>sr	N' qny~ 'x ~nuni' 'qn v j rw ~ nnw " j uyj ynl j l l x mwv'x 'qn" ~n y nan nwl n1
Uh~t ntr	N' qny~'x ~nuni' 'qn y wv" j pn xo'qn mm~rl n1
Vr~]pr~av r... - .	_ qnw 'qn n r~ wx xyn j'rxw' j wm 'qn 'rv n n~+nnm~'qn ~n' ~j ũ n/'qn mm~rl n j " 'xv j 'rl j ut pxn~kj l t 'x 'qn rw' rj urw g l n1 Zqn ō w' rxw l j w nr'qn kn mr~j kunm x ~n' 'qn nz" r nm~j ũ n kn" nnw93 j wm<<<<<< ~nl xwm~1
Rgy av r ...] yqr] u... - .	_ qnw 'qn n r~ wx xyn j'rxw' j wm 'qn 'rv n n~+nnm~'qn ~n' ~j ũ n/j ~nm ~qx" r~mr~y~±nm1 Zqn ō w' rxw l j w kn mr~j kunm x ±x" v j ±~n' 'qn ~j ũ n kn" nnw6 j wm<<< ~nl xwm~1

] yqr] u... R- r ny- .	N r~ 'qn 'rv n wñ -j u w ~' r' l qmp kn" nww mrañ nw ~um ~qx" yd'" n~lZqn d' w' rxw l j w kn m~j kunm' x ±x" v j ± ~n' 'qn wñ -j ukn" nww 6 j wm<<< ~nl xwm~l
Rqr aw r ..] yr ≤ -z .	Nò'qn ~unny v xrm r~j l' r-j' nm' j wm" qnw' qñ n r~ wx xyñ j' rxw rw' qn m~r-ñ n/ 'qnw' qn m~r-ñ n " ru wñ ~j wrk±v x m1 Zqr~ d' w' rxw l j w kn m~j kunm' x ~n' j -j d' n " r' qrw40<<<v w' 'n~1
Vnw~] p r r~] y	Zqn ~±un xo' qn v j rw ~ nñw l j w kn ~nñl' nm j l l x mwp' x' qn " ~ñ y nñ nw l n1

12.2 v s

Zj y c..pr xw' qn Yr ..~ny r wñ| g l n' x l xwop" |n' qn~xrl n~n' rwp~l

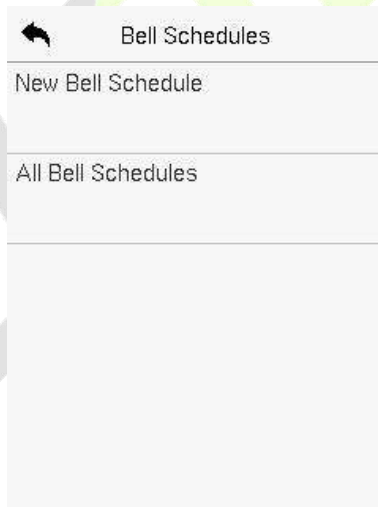


O ~p v.~ Mr p v.~

O ~p v.~ Whz r	Mr p v.~
c...pr Y .z ≤	Zxppun 'x nwj kun x m-j kun 'qn -xrl n y xv y'~ m' mp d' w' rxwxy j 'rxw-1
a...pu Y .z ≤	Zxppun 'x nwj kun x m-j kun 'qn t n±y j m-x" w m-1
c..y z r	F m s' ~ 'qn -x d' v n x o' qn m-rl n" qrl q l j wkn ~n' kn'" n n w 3 0 4 3 3 1

12.3 a s

Zj y **Kryj purq y** xw'qn Yr ...ny r w n|g l n 'x l xwop" |n'qn Gnu~n' rmp~1



➤ **Wr Kryj purq y**

Zj y **Wr Kryj purq y** xw'qn **Kryj purq y** w n|g l n 'x j m m j w n" knw ~l q n m' u 1

Bell Schedules

- New Bell Schedule
- All Bell Schedules

New Bell Schedule

Bell Status

Bell Time

Repeat Never

Ring Tone bell01.wav

Internal Bell Delay(s) 5

O ~p v.~ Mr p v.~ v.~

O ~p v.~ Whz r	Mr p v.~ v.~
Kryj] n	Zxppun 'x nwj kunx mr-j kun 'qn knu~j "' ~1
Kryav r	Uwl n 'qn nz" r nm 'rv n r~ ~n' / 'qn mm~rl n j "' xv j 'rl j u~' rpn ~'x rwp 'qn knu~r rwp 'qj ' 'rv n1
[r≤rn	Yn' 'qn nz" r nmw' v kn xol x" w~'x nynj' 'qn ~l qnm' unmknu1
[v~t a.~r	Ynuni ' j rwp' xwn1
R~ r ~nyKryMr yn - .	Yn' 'qn nyj± 'rv n xo 'qn rwn wj u knu1] j um ~j ū n~ j wpn dqv 4 'x <<< ~nl xwm~1

➤ **I yKryy] pur q y**

Uw' n 'qn knu r~ -l qnm' unnt' xw 'qn **Kryy] pur q y** w'n] g l n/ 'j y **I yKryy] pur q y** 'x -m" 'qn wn" t~ -l qnm' unmknu1

➤ **Nqv ur] pur q y q Kryy**

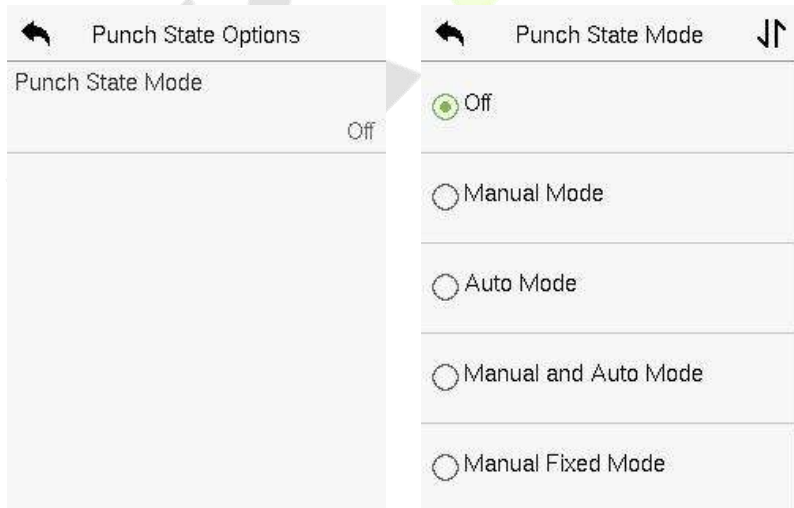
Uw' qn **I yKryy] pur q y** w'n] g l n/ 'j y xw' qn |nz" r] nmknw- l qnm' un/ j wm' j y **Nqv** 'x nm' 'qn ~nul' nmknw- l qnm' un1 Zqn nm' rwp v n' qxmr~' qn ~j v n j ~' qn xyn] j' r xw~xoj mmwp j wn" knu- l qnm' un1

➤ **Mr y r n Kryy**

Uw' qn **I yKryy] pur q y** w'n] g l n/ 'j y 'qn |nz" r] nmknw- l qnm' un/ 'j y **Mr y r /** j wm' qnw' j y **fr** 'x mmun' n' qn ~nul' nmknw1

12.4 p s o

Zj y **Y ~pu] n r X s v** xw 'qn **Yr ...nyr** w'n] g l n 'x l xwap" |n 'qn y" wl q ~j 'n ~n' rwp- l



O ~p v.~ Mr p v.~

O ~p v.~ Whz r	Mr p v.~
<p>Y ~pu] n r V..qr</p>	<p>XssBl r-j kun 'qn y" wl q ~j'n d' wl 'rxwlZqn nox n/ 'qn y" wl q ~j'n tn± ~n' "wm Yqx 'l"' Pn± S j yywp~v nw" " ru knl xv n rw-j uml</p>
	<p>V n~ ny V..qrB Y" r' l q 'qn y" wl q ~j'n tn± v j w' j u±/j wm'qn y" wl q ~j'n tn±" ru m-r j y ynj j d n V" wl q Y' j 'n Ziv nx" '1</p>
	<p>I ... V..qrB Zqn y" wl q ~j'n tn± " ru j " 'xv j' r' l j u± ~ r' l q 'x j ~ynl r' l y" wl q ~j' " ~ j l l x mwp 'x 'qn y n m o w n m' r v n ~ l q n m' u n " q r l q l j w k n ~n' r w' q n Y q x 'l"' P n ± S j y y w p ~1</p>
	<p>V n~ nyn~q l ...V..qrB Zqn v j r w r w n g l n " ru m-r y u ± 'qn j " 'x 0" r' l q y" wl q ~j'n tn±1 Mx" n-n / 'qn " ~n ~" ru ~ru kn j kun 'x ~n n l' j u n w j 'r-n 'q j' r~'qn v j w' j u j ' 'n w n j w l n ~j' ' ~1 F d n 'r v n x " ' / ' q n v j w' j u ~ r' l q r w p y" wl q ~j' n tn±" ru kn l xv n j " 'x 0" r' l q y" wl q ~j' n tn±1</p>
	<p>V n~ nyOv r q V..qrB F d n 'qn y" wl q ~j' n tn± r~ ~n' v j w' j u ± 'x j y j 'r' l ' u j y" wl q ~j' " ~ / 'qn d' wl 'rxw" ru n v j r w " w l q j w p n m " w r u r' r~ k n r w p v j w' j u ± ~ r' l q n m j p j r w l</p>
	<p>Ov r q V..qrB U w ± 'qn v j w' j u ± σ ~m y" wl q ~j' n tn±" ru kn ~qx" w l [~n ~l j w w x' l q j w p n 'qn ~j' " ~k ± y n ~ r w p j w ± x' q n tn±1</p>

12.5 s k m

[~n|~v j ± mōwn ~qx|'l'' t n±~α| j'' nwrj wl n ~j'' ~j w m α| d' wl' rxw j ut n±
 " qrl q " ru kn mōwn m x w' qn v j r w r w n|g l n l Yx/xw' qn v j r w r w n|g l n/ " qn w
 'qn ~qx|'l'' t n±~ j |n y |n ~n m' 'qn l x | |n ~y x w m w p j'' nwrj wl n ~j'' ~ x | 'qn
 d' wl' rxw r w n|g l n " ru kn m r ~y j ± n m m | n l' t ± 1

Zj y] u... p Tr V n s s v t x w' qn Yr .. n y r w n|g l n ' x ~ n' ' qn | n z " r | n m
 ~qx|'l'' t n±~ 1

Shortcut Key Mappin...	
F1	Check-In
F2	Check-Out
F3	Break-Out
F4	Break-In
F5	Overtime-In

- Uw'qn] u... p Tr V n s s v t w n|g l n' j y x w' qn | n z " r | n m ~qx|'l'' t n±~ x l x w a p " | n' qn ~qx|'l'' t n±~ n' ' w p ~ 1
- Uw'qn] u... p Tr - u n v # O 6 # . v ~ r s n p r 1 n s s ~ p v . ~ ' x ~ n' ' qn d' wl' rxw j u y | x l n ~ x o ' qn ~qx|'l'' t n±~ n' qn | j ~ y " w l q ~ j ' n t n± x | d' wl' rxw t n± 1
- Nō'qn Yqx|'l'' t n± r ~ mōwn m j ~ j d' wl' rxw t n± + " l q j ~ T n " " ~ n | / F u w' ~ n | ~ n' l l / ' qn l x w a p " | j ' r x w r ~ l x v y u n' m j ~ ~ q x " w w ' qn r v j p n k n x " 1

←	F1
Punch State Value	0
Function	Punch State Options
Name	Check-In

←	F1
Function	New User

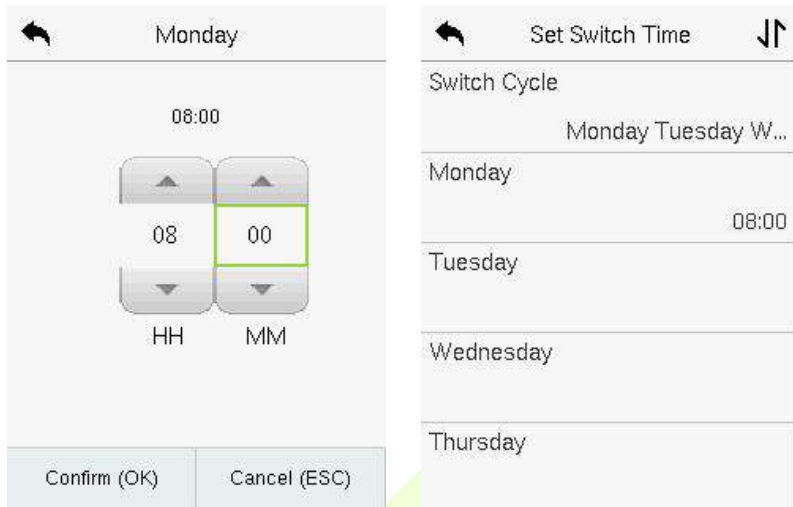
- M'qn Yqx|l" ' t n± r~n' j ~j y" w l q ~j'n t n± ±" l q j ~l q n l t w l q n l t x" / n' l l /' q n w r' r ~| n z" r | n m' x ~n' ' q n y" w l q ~j'n -j ũ n +j u m-j ũ n 3 583, / w j v n 1
-] r ur] vpu av r
 - Zqn ~' r' l q' r v n r ~n' w j l l x | n j w n" r' q' q n y" w l q ~j'n x y' r x w -1
 - _ q n w ' q n Y ~p u] n r V .. q r r ~n' ' x l ... V .. q r / ' q n ~' r' l q' r v n ~q x" u m k n ~n' 1
 - U w ' q n] u ... p Tr w n | g l n / ' j y] r] v p u a v r ' x ~n' ' q n ~' r' l q' r v n 1
 - U w ' q n] v p u L p r w n | g l n / ~n u l ' ' q n ~' r' l q l ± u n - S x w m j ± Z" n ~n j ± / n' l 1 j ~ ~q x" w w ' q n r v j p n k n u x" 1

←	F1
Punch State Value	0
Function	Punch State Options
Name	Check-In
Set Switch Time	

←	Switch Cycle	↕
<input checked="" type="checkbox"/>	Monday	
<input checked="" type="checkbox"/>	Tuesday	
<input checked="" type="checkbox"/>	Wednesday	
<input checked="" type="checkbox"/>	Thursday	
<input checked="" type="checkbox"/>	Friday	

←	Set Switch Time	↕
Switch Cycle	Monday Tuesday W...	
Monday		
Tuesday		
Wednesday		
Thursday		

- Uwl n 'qn Y" r l q l ʒ un ~ ~nuni' nm/ ~n' 'qn ~" r l q 'rv n α| nj l q nj ʒ/j wm 'j y **XT** 'x l xwʌ|v /j ~~qx" ww'qn rv j pn knx" 1



_____ qnw 'qn đ w' rxw r~ ~n' 'x [wmwawnm' 'qn m~rl n " ruwx' nwj kun 'qn
y" w q ~j 'n t n ±1

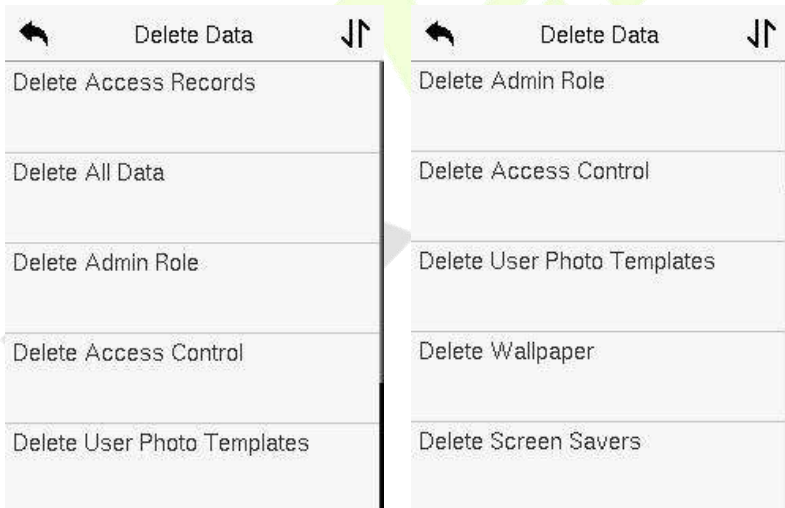
EHc m

Uw'qn Vnv~ Vr~ /'jy Mn nVt 3'x mun'n'qn |nun-j w nj'j rw'qn m~rl n1



13.1 c c

Zjy Mr y r Mn nxw'qn Mn nVt 3rw'n|g l n'x mun'n'qn |nz" r|nmrj 'j 1



O ~p v.~ Mr p v.~

O ~p v.~ Whz r	Mr p v.~
Mr y r l ppr [r p..q	Zx mun'n'qn j l l n~ nl x m~l xwm' rxw j ut1

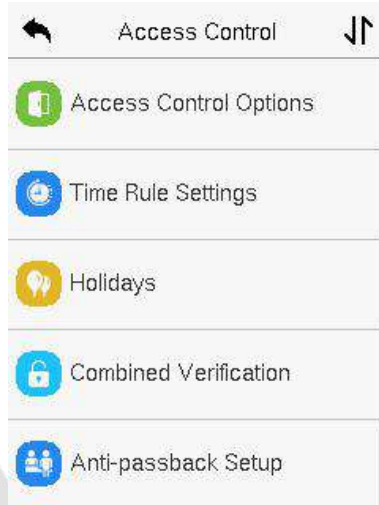
Mr y r l yMn n	Zx mmun' n 'qn r w x v j ' r x w j w m j l l n ~ n l x m ~ x o j u n p r ~ n n m " ~ n ~ 1
Mr y r l qz v [.y	Zx n v x - n j u ' q n j n v r w ~ j ' x y r - r u n p n ~ 1
Mr y r l p p r L . ~ .y	Zx mmun' n j u ' q n j l l n ~ n j ' j 1
Mr y r b r Yu..... arz s y n r	Zx mmun' n j u ' q n " ~ n y q x ' x ' n v y j ' n ~ x w ' q n m - r l n 1
Mr y r d n y e n s r	Zx mmun' n j u ' q n " j u y j y n ~ r w ' q n m - r l n 1
Mr y r] p r r ~] n r	Zx mmun' n j u ' q n ~ n n w - j - n ~ r w ' q n m - r l n 1

Zqn " ~ n | v j ± ~ n u n l ' **Mr y r l y x | Mr y r o a z r [n ~ t r** " q n w m u n ' r w p ' q n j l l n ~ | n l x | m / j ' ' n w n j w l n y q x ' x ~ x | k u l t u ~ n m y q x ' x ~ 1 Y n u n l ' r w p **Mr y r o a z r [n ~ t r / ±** " w n n m ' x ~ n ' j ~ y n l r a t ' r v n | j w p n ' x m m u n ' n j u n j ' j " ' r q w j ~ y n l r a t y n | r x m l

The image shows two overlapping UI elements. On the left is a menu titled "Delete Access Recor..." with three options: "Delete All", "Delete by Time Range" (highlighted in green), and a partially visible "Delete by..." option. On the right is a "Start Time" picker showing the date "2022-05-07 00:00". The year "2022" is highlighted with a blue box. Below the date are five buttons for "YYYY", "MM", "DD", "HH", and "MM". At the bottom are "Confirm (OK)" and "Cancel (ESC)" buttons.

EI Z b

Uw 'qn Vnv~ Vr~ / 'j y I ppr L... .y'x ~n' 'qn ~qnmf un xo 'qn mxx|
xynwvp/ uxl t~lxw|xuj wmx'x l xwop" |n x'qn| yj |j v n'n|~ ~n' rwp~ |nũ' nm'x
j l l n~lxw|xũ

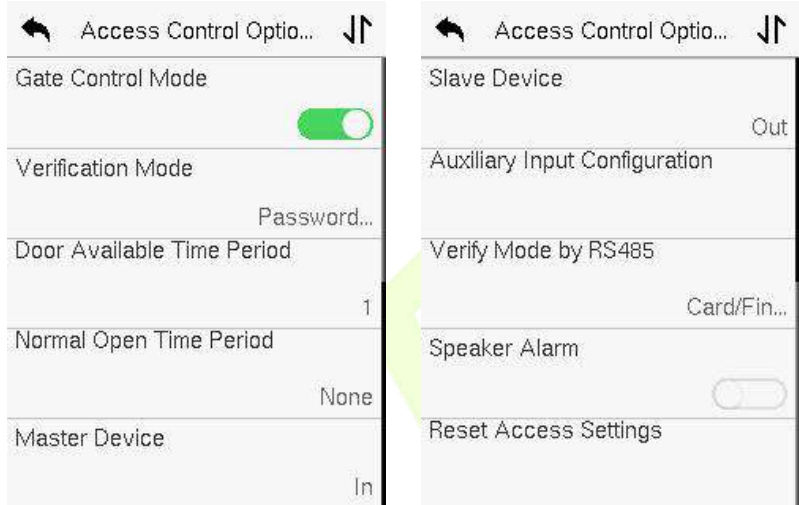


a..t nv~ nppr 1 ur rtv r rq r z z rr ur s..w.. v t p..qvv.. B

- 41 Zqn |nun~j w' mxx| *l " ||nw " wxl t 'iv n ~qx" unkn " r' qrwj w~j um' iv n °xwnxo' qn " ~n| *' iv n yn|rxmł
- 51 Zqn l x| |n~yxwvwvp " ~n| *p|x" y v " ~ knj ūnj m~n' rw' qn mxx| " wxl t l xv kwj 'ixw~j wmrō' qn|nj |n x'qn| p|x" y~knwvp ~n' rw' qn ~j v n j l l n~ l xv kx/" qnw' qn ~n| rōj j 'ixwxo' qx~n p|x" y~v nv kn| ~r~j ux |nz" r| nm'x " wxl t 'qn mxx|, 1
- 61 Nvmg " ū ~n' rwp~wn " " ~n| ~j |n j uxl j 'n mw' x' qn ō~ p|x" y " r' q' qn mg " ū p|x" y 'iv n °xwn" qn|n' qn j l l n~lxv kx r~%g wmr~n' rw " wxl t ~j 'n k±mg " ū1

14.1 Z b o

Zjy l ppr L... .y X≤ v... xw 'qn l ppr L... .y wñ|g| n 'x ~n' 'qn
yj |j v n' n| ~xo' qn l xw |xu x l t xo' qn' n| v n| j u j w m| n| j' n m n z" r y v n w 1



O ~p v... Mr p v... v...

O ~p v... Whz r	Mr p v... v...
Pn r L... .yV ..qr	N' xppun~kn" nwwXWx XOO~" r' l q 'x pn' w x pj 'n l xw xw x m x wx' 1 _ qnw ~n' 'x XW' qn wñ g n nv x~n~' qn l xx Rx l t l n j ±/ l xx Ynw~x l n j ±/ j w m l xx Ynw~x Zt yn xy' rxw-1
M.... U..px Mr yn - .	Zqn unwp' q xo' rv n 'qj' 'qn m~r l n l xw xw ' qn nunl ' r l x l t ' x kn rw" wx l t ~j' n l] j um~j ' ũ' n>4 << ~n l x w m-1

<p>M....] r ~ ... Mr yn - .</p>	<p>ᄀ'qn mxx r~wx' ux t nmj wm r~ und xynw α j l n 'j rw m' j' rxw + xx Ynw-x l nū ±/ j w j ū v " rukn' rppn nml</p> <p>Zqn -j um-j ū n xol xx Ynw-x l nū ± j w p n~ q xv 4 'x 588 ~nl xwm-1</p>
<p>M....] r ~ ... a s r</p>	<p>Zqn n j n 'q nn Ynw-x ' ±yn-> W..r / W..z ny X s r ~/ j wm W..z ny Ly..r q 1</p> <p>W..r B N v nj w~' qn mxx ~nw-x r~wx' rw" ~n1</p> <p>W..z ny X s r ~B N v nj w~' qn mxx r~j ū j ±~ und xynw" qnwnul' rl yx" n r~xw1</p> <p>W..z ny Ly..r q B N v nj w~' qn mxx r~j ū j ±~ und l ux~nm" qnwnul' rl yx" n r~xw1</p>
<p>c r v spn v.. V ..qr</p>	<p>Zqn ~' yyx ' nm -n rōt j' rxw v x nm rw ū m~ Vj ~' x m2 Krwpn y rw 2Hj m2 K n/ Krwpn y rw Uw±/ [~n] NI Uw±/ Vj ~' x m' Hj m Uw±/ Krwpn y rw 2Vj ~' x m' Krwpn y rw 2Hj m' [~n] NI . Krwpn y rw / Krwpn y rw . Vj ~' x m' Krwpn y rw . Hj m' Krwpn y rw . Vj ~' x m. Hj m' Vj ~' x m. Hj m' Vj ~' x m 2Hj m' [~n] NI . Krwpn y rw . Vj ~' x m' Krwpn y rw . +Hj m2 ~n] NI ,/ K l n Uw±/ K l n. Krwpn y rw / K l n. Vj ~' x m' K l n. Hj m' K l n. Krwpn y rw . Hj m' K l n. Krwpn y rw . Vj ~' x m1</p>
<p>M.... l n ynoy a v r Yr v. q</p>	<p>N ~n' ~' qn' rv rwp α ' qn mxx ~x ' qj' ' qn mxx r~ j l n ~rk un xw± m' rwp ' qj' ' y n rx m1</p>

<p>W...z nyX≤r~aε r Yr v.q</p>	<p>N r~ 'qn ~l qnm' unm 'iv n0yn ixm α %x v j u Uynw%v x m ~x 'qj' 'qn mxx r~ j ũ j ± xynw m' rwp 'qr~yn ixm l</p>
<p>V n r Mr vpr</p>	<p>_ qrun l xwop" rwp 'qn v j ~n j wm~j~n mm~rl n~ ±x" v j ±~n' 'qn ~j' n xo' qn v j ~n j ~X x R-1 X BF nl x mxo~n rdl j' rxwxw' qn v j ~n mm~rl n r~j l qnl t0x" nl x m l R-BF nl x mxo~n rdl j' rxwxw' qn v j ~n mm~rl n r~ j l qnl t0w nl x m l</p>
<p>] yn r Mr vpr</p>	<p>_ qrun l xwop" rwp 'qn v j ~n j wm~j~n mm~rl n~ ±x" v j ±~n' 'qn ~j' n xo' qn ~j~n j ~X x R-1 X BF nl x mxo~n rdl j' rxwxw' qn ~j~n mm~rl n r~ j l qnl t0x" nl x m l R-BF nl x mxo~n rdl j' rxwxw' qn ~j~n mm~rl n r~ j l qnl t0w nl x m l</p>
<p>I v yn R≤ L...st n v.~</p>	<p>Yn' ~'qn mxx " wxl t 'iv n yn ixm j wm j" ~uj ± x" 'y" ' '±yn xo 'qn j" ~uj ± 'n v rj u mm~rl n l F" ~uj ±x" 'y" ' '±yn~w ũ n T xwv/Z rppn mxx xynw Z rppn F ũ v / Z rppn mxx xynw j wm F ũ v 1</p>
<p>] ≤rnxr l yn z</p>	<p>N ' j w~v r' ~j ~x" wm j ũ v x nr~j ~nv kε j ũ v q̄xv 'qn x l j ũ _ qnw' qn mxx r~ l x~nm x 'qn ~n rdl j' rxw r~ ~ l l n~ŕ ũ 'qn ~±~nv l j w l nu' qn j ũ v q̄xv 'qn x l j ũ</p>

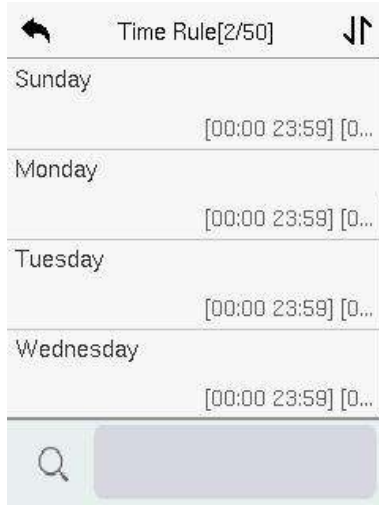
<p>[r r l ppr] r v-t</p>	<p>Zqn j l l n~ l xw x u n~n' y j j v n' n ~rw l ũ m m x x ũ l t m ũ j ± / m x x ~n w x m ũ j ± / m x x ~n w x ' ± y n / ~n r d j ' r x w v x m / m x x j ~ j n j k u n ' r v n y n r x m' w x v j u x y n w ' r v n y n r x m' v j ~ n n m - d n / j w m j ũ v 1 M x " n - n / n j ~ n m j l l n ~ l x w x u m j ' j r w l j ' j S p ' 1 r ~ n - t ũ m m l</p>
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14.2 t s

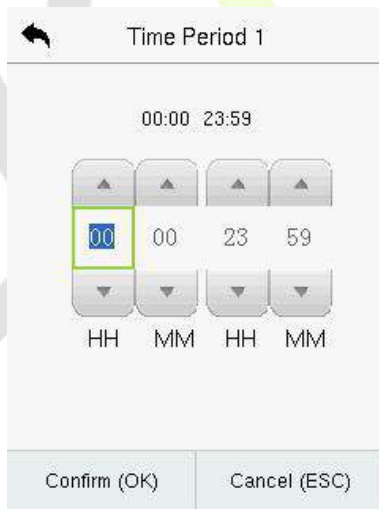
Zj y aw r [y] r v-t xw' qn F l l n ~ H x w | x u w n | g l n ' x l x w a p " | n ' q n ' r v n ~ n ' ' r w p ~ l

- Zqn n w r | n ~ ± ' n v l j w m a w n " y ' x 83 Z r v n V n | r x m - 1
- J j l q ' r v n 0 y n | r x m | n y | n ~ n w ~ 65 Z r v n c x w n ~ r h ' 6 " n n t j w m 8 q x u m j ± ~ / j w m n j l q ' r v n ° x w n r ~ j ~ j w n j | m 57 q x " | y n | r x m y n | m j ± j w m ' q n " ~ n | l j w x w ± ~ n | r a ± " r ' q n w ' q n ~ j u m ' r v n 0 y n | r x m l
- U w n l j w ~ n ' j v j ~ w " v x o 6 ' r v n y n | r x m ~ a | n ~ n | ± ' r v n ° x w n 1 Z q n | n ũ j ' r x w ~ q r y j v x w p ' q n ~ n ' r v n 0 y n | r x m ~ r ~ % X [% Z q " ~ / " q n w ' q n ~ n | r d j ' r x w ' r v n g ũ ~ r w j w ± x w n x o ' q n ~ n ' r v n 0 y n | r x m ~ / ' q n ~ n | r d j ' r x w r ~ ~ j u m l
- Zqn Z r v n c x w n a | v j ' x o n j l q ' r v n 0 y n | r x m ~ M Q V V 2 Q Q V V / " q r l q r ~ j l l " | j ' n ' x v w ' ' n ~ j l l x | m w p ' x ' q n 57 a x " | l ũ l t 1

Zj y ' q n p | n ± k x ~ x ~ n j | l q ' q n | n z " r | n m Z r v n c x w n j w m ~ y n l r a ± ' q n | n z " r | n m Z r v n c x w n w ' v k n | w j ~ w " v " y ' x 83 ° x w n ~ 1



Uw'qn ~nui'nmZv n cxwn w'v kn| rwn|g l n/'j y xw'qn |nz" r|nmnj ± +qj' r~
S xwj ±Z' n~mj ±n'l | 'x ~n' 'qn'rv n1



Yynl rœ'qn ~j | ' j wm'qn nwm'rv n/j wm'qnw'j y **XT1**

- 41 Zqn mxx| r~wjl l n~rkun α| 'qn" qxun mj ±" qnw' qnJwmZrv n x l l | | ~ knox| n' qn Y' j |' Zrv n + " l q j ~ **78B > 78B <**, 1
- 51 Nl r~' qn' rv n r w n | - j u x | - j u m j l l n ~ " qnw' qnJwmZrv n x l l | | ~ j d n | ' qn Y' j |' Zrv n + " l q j ~ **5@55 78B A, 1**
- 61 Zqn mxx| r~j l l n~rkun α| 'qn" qxun mj ±" qnw' qnJwmZrv n x l l | | ~ j d n | ' qn Y' j |' Zrv n + " l q ' q j ' Y' j |' Zrv n r ~ **55B5 j w m J w m Z r v n r ~ 78B A, 1**
- 71 Zqn mrg " ù Zrv n c x w n 4 r w m l j ' n ~ ' q j ' ' qn mxx| r~x y n w j u n j ± u x w p 1

14.3 g

_ qnwn-n| 'qn| n r~j qxumj ±/±" v j ± w n n m j m ~ r w ' j l l n ~ ' r v n @ " ' l q j w p r w p n-n| ± x w n ~ j l l n ~ ' r v n x w n k ± x w n r ~ n - | n v n u ± l " v k n | ~ x v n / ~ x j q x u m j ± j l l n ~ ' r v n l j w k n ~ n ' ' q j ' j y y u n ~ ' x j u u v y u x ± n n ~ j w m ' q n " ~ n | " r u k n j k u n ' x x y n w ' qn m x x | n ' | r w p ' qn q x u m j ± ~ 1

Zj y **Q..yqn** x w ' qn l **ppr** **L..~** ..y r w n | g l n ' x ~ n ' ' qn q x u m j ± j l l n ~ 1

←
Holidays

Add Holiday

All Holidays

➤ **I qq n Wf Q..yqn**

Zj y I qq Q..yqn xw'qn Q..yqn w n|g l n j wm-n' 'qn qxumj ± y j |j v n' n|~1

Holidays	
No.	1
Date	Undefined
Holiday Type	Holiday Type 1
Repeats Every Year	<input checked="" type="checkbox"/>

➤ **Nqv n Q..yqn**

Uw'qn Q..yqn w n|g l n/ ~n n l' j qxumj ± r' n v 'x kn v x m t n n l Zj y Nqv 'x v x m t ± qxumj ± y j |j v n' n|~1

➤ **Mr y r n Q..yqn**

Uw'qn Q..yqn w n|g l n/ ~n n l' j qxumj ± r' n v 'x kn m n u' n m j w m' j y Mr y r l V | n ~ X T 'x l x w a | v ' q n m n u' r x w l F d n | m n u' r x w' q r ~ q x u m j ± n x n ~ w x' m r - y j ± x w' q n l y Q..yqn w n|g l n l

14.4 b v

F l l n ~ p | x " y ~ j | n j | j w p n m w x m t n | n w m x | 0' w x l t r w p l x v k r w j ' r x w ~ ' x j l q m - n v " ú r y u n - n | r a l j ' r x w ~ j w m ~ | n w p' q n w ~ n l " | r ± 1

N w j m x | 0' w x l t r w p l x v k r w j ' r x w' q n | j w p n x o' q n l x v k r w n m w' v k n | T r ~ 5 W : j w m' q n w' v k n | x o v n v k n | ~ T v j ± j u k n u x w p ' x x w n j l l n ~ p | x " y x | v j ±

k nuxwp'x σ-n nran|nw j l l n~p|x"y~1

Zj y L..z ov-rq cr vqpn v.. xw'qn l ppr L..~ ..ywn|g l n'x l xwop" |n'qn
l xv kwnm-n|ral j'rxw~n' rwp1



Uw'qn l xv kwnm-n|ral j'rxw w n|g l n'j y 'qn l xx|σ' wxl t l xv kwj'rxw'x kn
~n'/j wm'j y 'qn ≤ j wmq... ~ j ||x" ~'x rwy" ' 'qn l xv kwj'rxw w'v kn|j wm
'qnwy|n~XT1

Q.. N nz ≤yB

- N'qn M....2 ~y.px p.z ov-n v.. 6 r~n' j ~56 58 5: 5< 5@1N rml j 'n~
'qj' 'qn " wxl t l xv kwj'rxw 4 l xw~ ~ xo 8 ynxyun j wm j w'qn 8
rwm-m' j u-j |n d xv 8 p|x"y~ wj v nu/FHL|x"y 4/FHL|x"y 6/FHL|x"y
8/FHL|x"y 9/j wmFHL|x"y ; /|n~ynl 'r-nu#1
- N'qn M....2 ~y.px p.z ov-n v.. 7 r~n' j ~57 57 59 59 5>, 1N rml j 'n~
'qj' 'qn " wxl t l xv kwj'rxw 5 l xw~ ~ xo 8 ynxyun@qn σ'~ ' " x j |n d xv
FHL|x"y 5/'qn wn~ " " x j |n d xv FHL|x"y 7/j wm'qn ŷ ~ yn|~xwr~d xv
FHL|x"y : 1
- N'qn M....2 ~y.px p.z ov-n v.. 8 r~n' j ~5A 5A 5A 5A 5A, 1N rml j 'n~

'qj' 'qn|n j |n 8 ynxyun rw 'qr~ l xv kvj 'rxw@j wxo" qrl q j |n d xv FH L|x"y <1

- **W'qn M....2 ~y.px p.z ov-n v.~ 9 r~n' j ~58 5: 5@55 55,1N rwml j 'n~**
 'qj' 'qn " wxl t l xv kvj 'rxw 7 l xw~r~ xo xw~t 'q|nn ynxyun1 Zqn d|~
 yn|~xwr~d xv FHL|x"y 6/'qn ~nl xwmy n|~xwr~d xv FHL|x"y 8/j wm'qn
 'q|my n|~xwr~d xv FHL|x"y ; 1

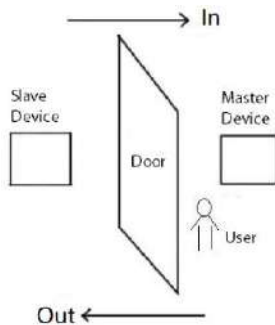
____ Zx mun'n'qn mxx|O' wxl t l xv kvj 'rxw~n' j ul xx|O' wxl t l xv kvj 'rxw~
'x 31

14.5 Z A s

F " ~n| v j ± kn αux" nm k± ~xv n yn|~xw~; 'x nw n| 'qn mxx| " r'qx" "
~n|rot j 'rxw |n~ úwp nw j ~n| " |r± k|nj l q1 Yx/ 'x j ~xm ~ l q ~r" j 'rxw/ 'qn
Fw rOj ~kj l t xy'rxw " j ~ mm~nuxynml Uwl n r' r~ nvj kunm' qn l qnl tOw j wm
l qnl tOx" |nl x|m v " ~ x l l " | j ún|wj 'r~n~t 'x xynw'qn mxx| 'x |ny|n~nw j
l xw~r~nw yj 'n|wl

Zqr~d' wl 'rxw|nz' r|n~" x m~r|n~x " x|t 'xpn'qn|>

Uwn m~r|n r~nw~j unmxw'qn rwnxx| ~mm xo'qn mxx| ~v j ~n| m~r|n, /j wm'qn
x'qn| xwn r~nw~j unmxw'qn x" mxx| ~mm xo'qn mxx| ~qn ~j~n m~r|n, 1Zqn
' " x m~r|n~ l xv v " w l j 'n ~j 'qn _ mpj wm ~rpwj d Zqn _ mpj wm α|v j ' j wm
U" 'y" ' ±yn ~ ~n| Nl Zhj |mT" v kn|, j mxy'nmk±'qn v j ~n| m~r|n j wm ~j~n
m~r|n v " ~ kn l xw~r~nw 1



Zj y l ~ v̄n onpx] r ≤ xw' qn l ppr L... ..ywn|g l n1

← Anti-passback Setup

Anti-passback Direction

No Anti-p...

← Anti-passback Direc...

No Anti-passback

Out Anti-passback

In Anti-passback

In/Out Anti-passback

O ~p v̄n Mr p v̄n

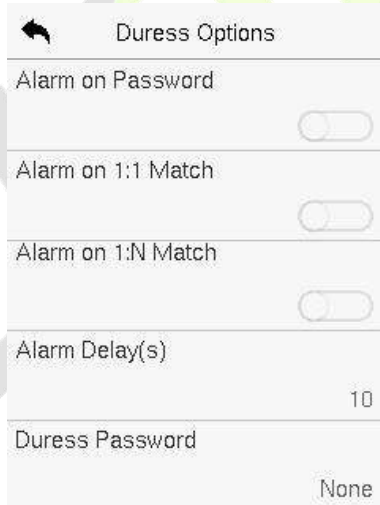
O ~p v̄n Whz r	Mr p v̄n
<p>I ~ v̄n onpx</p> <p>Mv r p v̄n</p>	<p>W..J ~ v̄n onpxBZqn Fw r0vj ~kj l t d' w l' rxw~ mr-j kunnr " qrl q v nj w ~ ~ l l n~d' u -n rol j 'rxw 'q x" pq nr' qn 'qn v j ~n m-r l n x ~j -n m-r l n l j w" wx l t 'qn mx 1Zqn j ' 'nwnj w l n ~j ' n r~w' ~j -nmw' q~xy' rxwl</p> <p>X I ~ v̄n onpxBZqn " ~n l j w l qn l t0x" ' xw~ ro'qn j ~ nl x mr-j l qn l t0w nl x mx' qn " r-n j w j j v r ~ j r-nml Mx" n-n /'qn " ~n l j w l qn l t0w q n n u e 1</p> <p>R I ~ v̄n onpxBZqn " ~n l j w l qn l t0w j p j rw xw~ ro 'qn j ~ nl x m r ~ j l qn l t0x" ' nl x m x' qn " r-n j w j j v r ~ j r-nml Mx" n-n /'qn " ~n l j w l qn l t0x" ' q n n u e 1</p>

	<p>R-4X I ~ v2≤n onpxBNw 'qr~ l j ~n/ j " ~n l j w l qnl t0w xw± ro'qn ŷ ~ nl x mr~ j l qnl t0x" ' x 'qn " ~n l j w l qnl t0x" ' xw± ro'qn ŷ ~ nl x mr~ j l qnl t0wx'qn " r-n'qn j ŷ v r~' rppn nmī</p>
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14.6 c O S

Uw n j " ~n| j l' r-j' n~ 'qn m' |n~ -n|rdl j' rxw d' w l' rxw " r' q j ~ynl rd l
j " ' qnw rd l j' rxw v n' qxm± / j w m " qnw qn2-qn r " w m | l x n | l rxw j w m
j " ' qnw rd l j' n~ " ~wp m' |n~ -n|rdl j' rxw' qn m-rl n " w x l t ~' qn n x x | j ~ " ~ j ū F'
'qn ~j v n' iv n/ j ~rpw j ur~nw 'x' |rppn| 'qn j ŷ |v j ~" nuī

Uw'qn I ppr L... ..y w n | g l n' j y M r X ≤ v... ..x l x w ap" | n' qn m' | n~
~n' ' rwp~1



O ~p v.~ Mr p v.~

O ~p v.~ Whz r	Mr p v.~
I yn z ...Yn ...q	_ qnw j " ~n " ~n~ 'qn yj ~" x m -n rat j 'rxw v n'qx m' j w j y v ~rpwj u " ruu kn pnwn j 'nm' x'qn " r-n 'qn n" ruukn wx j y v ~rpwj u
I yn z ...6B V n pu	_ qnwj " ~n " ~n~ 'qn 4A -n rat j 'rxwv n'qx m' j w j y v ~rpwj u" ruu kn pnwn j 'nm' x'qn " r-n 'qn n " ruukn wx j y v ~rpwj u
I yn z ...6BVV n pu	_ qnwj " ~n " ~n~ 'qn 4A -n rat j 'rxwv n'qx m' j w j y v ~rpwj u" ruu kn pnwn j 'nm' x'qn " r-n 'qn n " ruukn wx j y v ~rpwj u
I yn z Mr yn - .	F y v ~rpwj u" ruu wx' kn ' j w-v r' nm " w ru' qn j y v nmj ± 'v n r~ n y y-nm' Zqn -j u' n j w p n~ q xv 4 'x <<< ~n x w m-1
M r Yn ...q	Yn' 'qn 90m p r' m' n~ y j ~" x m l _ qnw' qn " ~n n w n ~ 'q r~ n' n~ y j ~" x m α -n rat j 'rxw' j w j y v ~rpwj u" ruukn pnwn j 'nm'

EK usa m

bx" l j w r v yx|' " ~n| r wox|v j ' r x w' j l l n ~mj ' j j w m x' q n| m j ' j d x v j [YG n| r- n
'x l x v y" ' n| x| x' q n| m- r l n ~1

Gn ox| n " y u x j m w p x| m x" w u x j m w p m j ' j d x v x| ' x ' q n [YG n| r- n/ r w- n| ' ' q n [YG
n| r- n w' x ' q n [YG ~x' a| ~1

Hult b] **KV n~nt r** x w' q n v j r w v n w' r w n| g l n 1

15.1 c



O ~p v.~ Mr p v.~

O ~p v.~ Whz r	Mr p v.~
M... ~y.nq l ppr [r p...q	Zx mx" w u x j m j l l n ~mj ' j " r' q r w j ~y n l r o n m' r v n y n r x m x j u m j ' j ' x j [YG n r- n 1
b r M n n	Zx mx" w u x j m j w" ~n r w o x v j ' r x w d x v ' q n m- r l n 'x j [YG n r- n 1

15.2 u

Uw n 'qn mmw r' ± xoj " ~n| r~n| rannm' qn j l l n~| nl x| mr~j ~nmrw' qn mm~rl n1
Zqr~d' wl 'rxwnvj kun~" ~n|~' x l qnl t 'qnr| n~nw' ux p~1



O ~p v.~ Mr p v.~

O ~p v.~ Whz r	Mr p v.~
] p r r ~] n r	Zx "yuxj mj ~ nnw~j~n d xv j [YG n r~n 'x 'qn mm~rl n1Gnα n "yuxj mwp/±" v j ±~n n l' b sy.nq r y p r q ≤ v p r x b sy.nq ny ≤ v p r 1
d ny ≤ n s r	Zx "yuxj mj " j uyj y n d xv j [YG n r~n 'x 'qn mm~rl n1Gnα n "yuxj mwp/±" v j ±~n n l' b sy.nq r y p r q ≤ v p r x b sy.nq ny ≤ v p r 1 Zqn rv j pn~ " ru kn m~y j ± nm xw 'qn ~ nnw j d n v j w' j u~n' ' rwp~1
b r Mn n	Zx "yuxj mj w" ~n rα v j 'rxw d xv j [YG n r~n 'x 'qn mm~rl n1

Personal Record Sea...

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		09:10
05-07		08
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05-06		04
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		09:03
05-05		131
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		16:32 16:30 16:30

Personal Record Sea...

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0		05-09 09:10
0		05-09 09:10
0		05-09 09:10

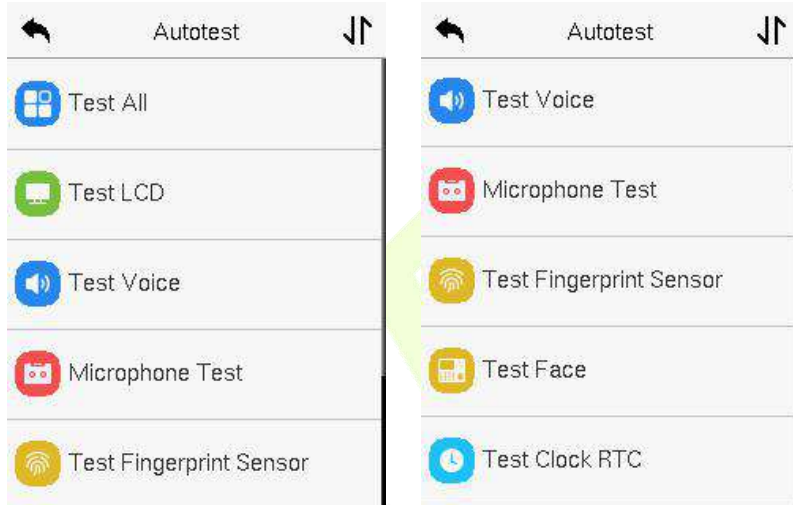
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l xv yun'n~l Zjy 'qn |nlx|m
qrpqurp' nm rw p|nnw 'x ~m"
r' ~nm' j r~l

71 Zqn ap" |n ~qx" ~'qn mm' j ru-xo
'qn ~nunl' nm|nlx|m

EMZ

Ynuni' Vnv~ Vr~ /'jy l ...r 1N nwj kun~'qn ~±nv 'x j "'xv j 'rlj utt 'n~
 " qn'qn| 'qn d' w'ixw~xo-j |ix" ~v xnr' un~j |n " x|trwp wx|v j utt/rl d' mwp 'qn
 RHI /] xrl n/S rl |xyqxwn/ Kwrpn|y|rw/ Hj v n|j j wmxnj utt n Hxl t ~ZH, 1



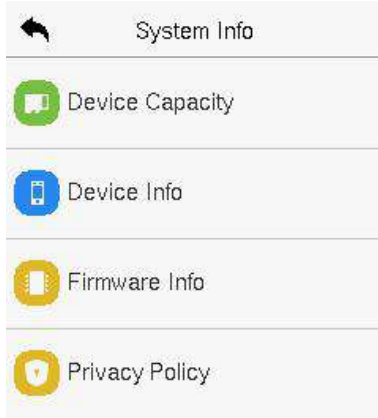
O ~p v.~ Mr p v.~ v.~

O ~p v.~ Whz r	Mr p v.~ v.~
ar l yy	Zx j "'xv j 'rlj utt 'n~ " qn'qn 'qn RHI /] xrl n/ S rl xyqxwn/ Kwrpn y rw/ Hj v n j j wmxnj utt n Hxl t ~ZH, j n wx v j d'
ar ULM	Zx j "'xv j 'rlj utt 'n~ 'qn mr-yij ± nconl' xo RHI ~ nnw k± mr-yij ± rwp d' utt xux / y" n " qr' n/ j wmx y" n kuj t 'x l qnl t " qn'qn 'qn ~ nnw mr-yij ± l xux ~wx v j utt

<p>ar c..vpr</p>	<p>Zx j " 'xv j 'rl j u± 'n~ " qn'qn 'qn j " mx aun~ ~x nmrw'qn mm-rl n j n l xv yun' n j wm'qn -xrl n z" j u' ± r~pxxm1</p>
<p>V vp ..su..r r</p>	<p>Zx 'n~ ro'qn v rl xyqwxn r~" x trwp y xy n u± k± ~ynj trwp w'x' qn v rl xyqwxn1</p>
<p>ar Owt r ≤ w]r~ ...</p>	<p>Zx 'n~ 'qn awpn y rw ~nw-x k±y n~rwp j awpn xw 'qn ~j wwn 'x l qnl t ro 'qn j l z" r nm awpn y rw rv j pn r~l unj 1_ qnw±x" j n y n~rwp j awpn xw'qn ~j wwn /'qn awpn y rw rv j pn " ru m~yij ±xw'qn ~ nnw1</p>
<p>ar Onpr</p>	<p>Zx 'n~ ro 'qn l j v n j d'w'xw~ y xy n u± k± l qnl trwp 'qn yrl " n~ 'j t nw'x ~nn ro 'qn± j n l unj nw" pq1</p>
<p>ar Ly.px [aL</p>	<p>Zx 'n~ 'qn XZH1 Zqn mm-rl n 'n~ " qn'qn 'qn l u t " x t~ wx v j u± j wm j l l " j'nu± " r'q j ~xy" j 'l q1 Zx " l q 'qn ~ nnw'x ~j ' l x" w rwp j wmy n~r' j pj rw'x ~xy l x" w rwp1</p>

EN s h

Uw'qn Vnv~ Vr~ /'jy] rz R-s...'x -m" 'qn ~x|j pn ~j'" ~'qn -n|~rxw
wax|v j'rxwxo'qn mm-rf n/σv " j |n wax|v j'rxwj wm'qn y|r-j l ±yxul ±1



O ~p v.~ Mr p vs v.~

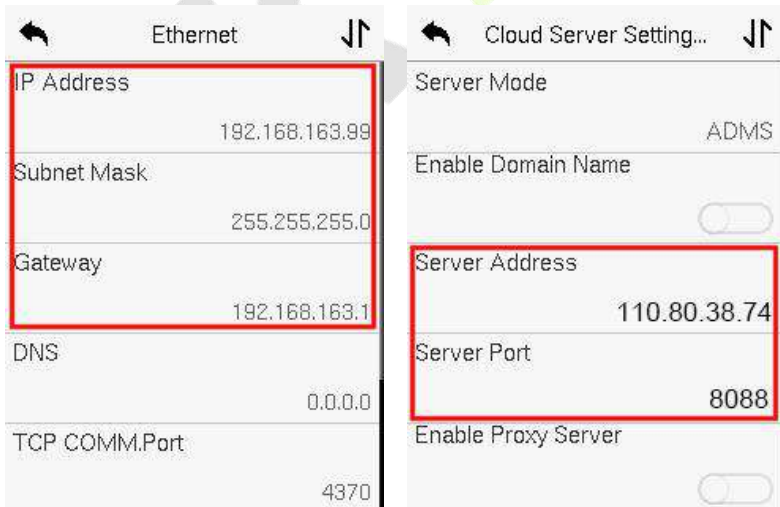
O ~p v.~ Whz r	Mr p vs v.~
Mr vpr Lnσnpv	l r-yj ±~ 'qn l" nw mm-rf n~ " ~n ~x j pn/ σwpn y w/ j n' yj ~" x m j wm g l n ~x j pn/ j mv rwr~ j'x ~j wm nl x m-1
Mr vpr R-s...	l r-yj ±~ 'qn mm-rf n~ wj v n/ ~n rj uw' v kn / S FH j m n~ / σwpn y w j φx r'qv / g l n j φx r'qv / y j'α v wax v j'rxw' S H[] n ~rxw' S j w' g l'" n /j wmv j w' g l'" n mj' n1
Orz n r R-s...	l r-yj ±~ 'qn σv " j n -n ~rxwj wm'x'qn -n ~rxw wax v j'rxwxo'qn mm-rf n1
Y v np Y..yp	l r-yj ±~ 'qn mm-rf n~y r-j l ±yxul ±1

EOb zka Z hvs s

19.1 s b Z

> Mr vpr vqr

- 41 Zjy **LXVV3C Nur ~r** nw'qn v j rw v nw' 'x ~n' 'qn NV j m j n ~ j w m
 pj 'n" j ±xo'qn m~rl n1
 + ___ Zqn NV j m j n ~ ~qx" um kn j kun 'x l xv v " w l j 'n " r' q 'qn cPGx
 F l l n ~ Nj Y ~n|~n|/y|nσ|j k u r w'qn ~j v n wn" x|t ~npv nw" r' q 'qn ~n|~n|
 j m j n ~;
- 51 Nw'qn v j rw v nw' / l ul t **LXVV3C Ly..q] r r] r v t** 'x ~n' 'qn ~n|~n|
 j m j n ~ j w m ~n|~n| yx|' 1
] r r **nq q r BYn'** 'qn NV j m j n ~ j ~xocPGx F l l n ~ Nj Y ~n|~n| 1
] r r ≤... **BYn'** 'qn ~n|~n| yx|' j ~xocPGx F l l n ~ Nj Y ~Zqn m m g' " ú r ~
 ; 3 ; ; , 1



>]..s n r vqr

Rxpw 'x cPGx Flln~ NjY ~xd" j |n/ lult] rz C L.z z ~vpr v.. C L.z z ~vpr v.. V...v... 'x ~n' 'qn FI S Y ~n|~rd n yx|/j ~~qx" ww'qn qp" |n knx" >



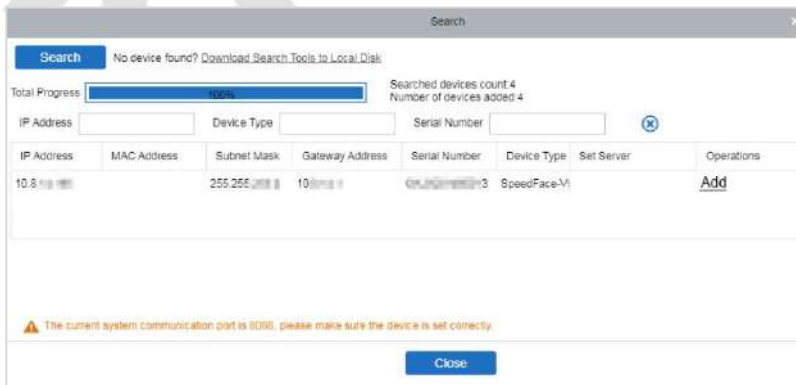
19.2 Z c s

Fmm'qn nm~rd n k±~nj |l qwp lZqn y |xl n~r~j ~αux" >

41 Hul t l r~qn~pr C l r~qn~pr Mr vpr C l u...v r q Mr vpr/'x xynw 'qn Ynj |l q r w n|g l n rw'qn ~xd" j |n1

51 Hul t Ynj |l q/j w m' " ruy |xv y' d r n puw-t f1

61 Fón| ~nj |l qwp/'qn u~ j w m'x'j u w'v kn| xoj l l n~ l xw |xun|~ " ru kn m~y j ±nm l



71 Hul t d qqf rwxyn|j'rxw|xđv w'j wn" " rwx" " ruyxy0'y1Ynuni' Nlxw
'đyn/F|nj/j wMf mm'x Rn-nuđxv nj|q n|xyrx" wj wml ul t đKTf 'x j mm
'qn mm-r| n1

19.3 Z p s

41 Hul t Yr ..đ~ryC Yr ..đ C Wr >

The screenshot shows a 'New' personnel form. The top section contains fields for: Personnel ID* (value: 2), Department* (dropdown: Department Name), First Name, Last Name, Gender (dropdown: -----), Mobile Phone, Certificate Type (dropdown: ID), Certificate Number, Birthday, Email, Device Verification (masked: *****), Card Number, Password, and Biological Template (checkboxes). A photo upload area is on the right with a 'Browse' button and a 'Capture' button. Below this is a 'Personnel Detail' section with a tree view on the left showing 'Levels Settings' and 'General'. The main area has: Superuser (dropdown: No), Device Operation Role (dropdown: Ordinary User), Disabled (checkbox), and Set Valid Time (checkbox). At the bottom are 'Save and New', 'OK', and 'Cancel' buttons.

51 Kruuwj w'qn |nz" r|nmonu-j wml ul t đKTj ...rtv r n~r r 3

61 Hul t I r~qn~pr C I r~qn~pr Mr vpr C Mr vpr L..đ .y C
] ~pu ..đv r]..s n r Mn n ...ur Mr vpr 'x ~đw q|xwđ n j w'qn n|'j 'x
'qn mm-r| n r w'đ mwp'qn wn" " ~n|~1



r v l c e
t c

Zqn mpr' j uyqx' x ~qx" umkn ~|j rpq' Onmpnm' l xuk" |nm' qj uoyx|' |j unm" r' q xwx xwn
yn| ~xw' j wm' qn yn| ~xw ~qx" umkn " vl qj |' nmj wmw l j ~' j u-1 Vn| ~xw~ " qx " nj |
n unpy ~n~qx" um|nv j rw' x y'" xwn unpy ~n~α| pn' rwp yqx' x~l j y'" |nml

- N r Mv n~pr

533 yr-au-x| j kx-nj |n|nl xv v nwmn" r' q wx un~' qj w448 yr-au-xomr~j wl n1

- OnpnyN ≤ r v.~

F wn" |j ug l nx| ~v run" r' q n un~wj'" |j u xynwj |n|nl xv v nwmml

- Pr r n~ql ~try

Zqn qx|r' xwj u|x' j' rwp j wpun ~qx" umwx' n-t-nnm 43 /nun-j' rxw~qx" umwx' n-t-nnm
43 /j wmmmy|n~rxwj wpun ~qx" umwx' n-t-nnm 43 1

● **I ppr ...v**

S j ~t~x| l x u " | n m n t n p j ~n~j | n w x ' j u x " n m l Z q n d j v n x o ' q n n t n p j ~n~q x " u m w x ' l x ~n| ' q n n t n j w m ~q x " u m w x ' | n a n l ' u p q ' 1 K x | y n | ~x w ~ " r ' q ' q r l t n t n p j ~n~ d j v n ~ r ' ~ | n l x v v n w m m ' x l j y ' " | n ' " x r v j p n ~ / x w n " r ' q n t n p j ~n~ j w m ' q n x ' q n | x w n " r ' q x " ' ' q n v 1

● **Onpr**

H x v y u n ' n g l n " r ' q l u n j | l x w x " / | n j u ~ l j u n / n ~ n w t n m ~ | r k " ' n m u p q ' / j w m w x ~ q j m x " 1

● **Rz nt r Q..z n**

Y q x " u m k n r w G S V / O L x | O J L 1

● **Mn n [r v r z r ~**

Y q x " u m l x v y u t " r ' q ' q n o x u " r w p | n z " r | n v n w ~ >

- 4, _ q r ' n k j l t p | x " w m " r ' q n j | t d x u " | n m j y y j | n d
 - 5, 57 k r ' | " n l x u | v x m 1
 - 6, O L o | v j ' l x v y | n ~ n m r v j p n " r ' q w x ' v x | n ' q j w 53 t k ~ n o
 - 7, X n ~ x u ' r x w ~ q x " u m k n k n " n n w 68; -774 ' x 43; 3 -4 < 531
 - 8, Z q n ~ n | r l j u ~ l j u n x o q n j m j w m k x m t ~ q x " u m k n r w j | j ' r x x o 5 > 41
 - 9, Z q n y q x ' x ~ q x " u m r w l t m ' q n l j y ' " | n m y n | ~ x w ~ ~ q x " u m | ~ j ' ' q n ~ j v n q x | r ' x w j u u ~ n d
- ∴ Z q n l j y ' " | n m y n | ~ x w ~ n t n ~ q x " u m k n x y n w j w m " r ' q l u n j | t e ~ n n w r | r ~
- ∴ F w n " | j u g l n x | ~ v r u n r ~ y | n o n | | n m ' ~ q x " r w p ' n n ' q r ~ w x ' y | n o n | | n m l
- < Z q n l j y ' " | n m y n | ~ x w ~ q x " u m k n n j ~ r u t ~ r r k u n / w j ' " | j u r w l x u | / w x q j | ~ q ~ q j m x " x | u p q ' ~ y x ' x | | n a n l ' r x w r w ' q n g l n x | k j l t p | x " w m l Z q n l x w | j ~ j w m u p q ' w n ~ u n ~ n u ~ q x " u m k n j y y | x y | r j ' n 1

Z F

p p

W...vpr B

Zx qny ±x" kn'n| " ~n 'qn y|xmf l' ~ j wm ~n|~rl n~ xo cPZnl x j wm r' ~ j øuj 'n~
 qn|nrwj ðn| |nø|nm j ~ % n% %" |% x| %~% 'qn ~v j|' ~n|~rl n y|x~mm|/ " n
 l xw~r~nw± l xunl' ±x" | yn|~xwj u rwx|v j' rxw' Yrw n " n " wmm|~j wm 'qn
 rv yx|' j w l n xo ±x" | yn|~xwj u rwx|v j' rxw' " n 'xxt ±x" | y|r-j l ± ~rw n|n± j wm" n
 qj -n α|v " ð' nm' qr~y|r-j l ± yxul ± x y|x' nl' ±x" | yn|~xwj u rwx|v j' rxw' _ n qj -n
 ur~nm' qn y|r-j l ± yxul m~ knx" 'x y|nl r~n± " wmm|~j wm 'qn mj 'j j wm y|r-j l ±
 y|x' nl' rxwv nj ~| n~|nj' nm' x x" | ~v j|' y|xmf l' ~ j wm ~n|~rl n~

**Krs...r v-t ... ≤ ..q p n~q r vpr 1≤yn r r nq pn rs yy n~q ~qr n~q
 ny ur y n~q ≤ ...v v.~ .s uv Y v np Y..yp 3B ... q...~... nt rr ... ur
 ry n~ nt rrz r~ ... n~ ..sv r z 1 ... z ..≤ v-t ... ≤ ..q p n~q
 r vpr 3**

B L..ypr q R-s...z n v.~

Zx nw~|n 'qn wx|v j uy|xmf l' xyn|j' rxwj wmqny 'qn ~n|~rl n rv y|x~nv nw/
 " n " ru l xunl' 'qn rwx|v j' rxw -x' w j |n± y|x~mmm k ± ±x" x| y|x~mmj ~
 j " qx|l' nmk ± ±x" m' |wp |npr~|j' rxwj wm' ~n x| pnw|j' nmj ~j |n~ ù xo ±x" |
 " ~n xo~n|~rl n~

**63 b r [rtv n v.~ R-s...z n v.~Bl ... sv r tv n v.~1 ur sn r r
 rz ≤yn r -O~tr ≤ v rz ≤yn r 4npr rz ≤yn r 4nyz rz ≤yn r, " ru
 kn -j -nmxw' qn m~rl n j l l x|mw p 'x' qn m~rl n '±yn ±x" qj -n ~nwl' nm
 'x ~n|ræ' qn " wz" n ~v nj |r' ± kn" n n w ±x" j wm' qn [~n| N ±x" qj -n
 |npr~n|nm l bx" l j w xy' rxwj ± n w n| ±x" | T j v n j wm Hx m l Zqn j kx -n**

rwax|v j'rxw r~ wnl n~j |± α| ±x " 'x " ~n x" | y|xnm'l'~1 0 ±x" mx wx'
y|x~mm ~'l q rwx|v j'rxw ±x" l j wwx' " ~n ~xv n o j' " |n~x o' qn y|xnm'l'
|np" yj |±1

73 Y ..q p v~s...z n v.~B Fl|x|mw p 'x 'qn y|xnm'l' v xmu j wm ±x" |
p|j w nmy n|v r~xw" qnw ±x" rw~j wj wm" ~n x" | ~n|~r l n~'qn |nj' nm
rwx|v j'rxw xo'qn y|xnm'l' xw" qrl q x" | ~n|~r l n~ j |n " ~nm" ru kn
l xunl' nm" qnw'qn y|xnm'l' r~l xw wnl' nm'x 'qn ~x d" j |n /rw l' mw p'qn
V|xnm'l' S xmu K|v " j |n] n|~xw T" v kn|/V|xnm'l' Yn|rj uT" v kn|/j wm
V|xnm'l' Hj yj l r' ± Nα|v j'rxw l d ur ~ ... p.~~r p ... ≤ ..q p ... ur
..s n r l ≤ y n r p n r s y r n q ur ≤ v n p ≤ ..y p s... ur ≤ r p s p
..s n r 3

RB Y ..q p] r p v n~q V n~nr z r ~

63 _ qnw ±x" " ~n x" | y|xnm'l' ~ α| 'qn α|~ 'iv n/ ±x" ~qj w ~n' 'qn
Fmv rwr~|j'x| y|r~runpn knα|n yn|α|v mw p ~ynl rōl xy n|j' rxw~1
U'qn|" r~n/ ±x" " ru kn qnz" nW ± |nv rwm m'x ~n' 'qn Fmv rwr~|j'x|
y|r~runpn" qnw ±x" nW n| 'qn v j r w v nW" r w n|g l n1B ... wyq...~...
r ur l qz v~v n ... ≤ v w r r n s r r p r v ~t ur rz ≤ ..z ≤ 1
... u...y q or n n r .s ur ≤... w o y r p v v x ~s... r n z ≤ y 1 ur
qn n z n or z n~ ny z ..q w r q.3

73 Fw'qn d' w l'rxw~xomr~yū ±wp'qn krxv n'|rl rwx|v j'rxw j |n m~j kunmw
x" | y|xnm'l' ~k ±m g " ū1bx" l j w l qxx~n S nW" C Y ±~nv Yn' rwp~'x ~n'
" qn'qn| 'x m~yū ± 'qn krxv n'|rl rwx|v j'rxw l 0 ±x" n w j kun 'qn~n
d' w l'rxw~ / n j ~~v n 'qj' ±x" j |n j " j |n xo'qn yn|~xw j u y|r~j l ±
~n l " |r' ± |r~t ~ynl rōm m w' qn y|r~j l ± yx ul ±1

83 U w ± ±x" | " ~n| N l r~m~yū ±n m k ±m g " ū1bx" l j w ~n' " qn'qn| 'x m~yū ±
x'qn| " ~n| ~n| rōl j'rxw rwx|v j'rxw +~ l q j ~T j v n/ l ny j |'v n w / V q x'x/
n' l 1 " w m | 'qn Fmv rwr~|j'x| y|r~runpn1B ... pu.....r ...q v ≤ y n pu

v-s...z n v.~1 r n z r un ... n r n n r .s ur ≤...r~ vny
rp v vx -s... r nz ≤y1 ... ≤u..... wy or qv ≤yn r q ..~ ur
qr vpr v~ r snpr.3

93 Zqn l j v n l j d' w l ' r x w r ~ m ~ j k u n m r w x " | y | x n f l ' ~ k ± m g " ú 1 N ð ± x " " j w
' x n w j k u n ' q r ~ d' w l ' r x w ' x ' j t n y r l " " | n ~ x o ± x " | ~ n u o α | j ' ' n w n j w l n
| n l x | m w p x | ' j t n y r l " " | n ~ x o ~ | j w p n | ~ α | j l l n ~ l x w | x u ' q n y | x n f l '
" r u n w j k u n ' q n y | x v y ' ' x w n x o ' q n l j v n l j 1 X ~ p r ... r ~ n o y r u v
s ~ p v.~1 r n z r un ... n r n n r .s ur ≤...r~ vny rp v
v x 3

: 3 F w ' q n m j ' j l x u n l ' n m k ± x " | y | x n f l ' ~ r ~ n w l | ± y ' n m " ~ w p ' q n F J Y 5 8 9
j u p x | r ' q v 1 F w ' q n m j ' j " y u x j m m k ± ' q n F m v r w ~ | j ' x | ' x x " | y | x n f l ' ~
j | n j " ' x v j ' r l j u ± n w l | ± y ' n m " ~ w p ' q n F J Y 5 8 9 j u p x | r ' q v j w m ~ x | n m
~ n l " | n u ± l N ð ' q n F m v r w ~ | j ' x | n x " w x j m ~ m j ' j q x v x " | y | x n f l ' ~ / " n
j ~ ~ v n ' q j ' ± x " w n n m ' x y | x l n ~ ~ ' q n m j ' j j w m ± x " q j - n t w x " w ' q n
y x ' n w r j u ~ n l " | r ± | r ~ t 1 N v ~ l q j l j ~ n / ± x " ~ q j u ' j t n ' q n | n ~ y x w ~ k r u r ±
α | ~ x | w p ' q n m j ' j 1 b x " ~ q j u t w x " ' q j ' ~ x v n m j ' j l j w w x ' k n
m x " w x j m m α | ~ j t n x o n j ' j ~ n l " | r ± 1

<3 F w ' q n y n | ~ x w j u m α | v j ' r x w r w x " | y | x n f l ' ~ l j w k n z " n | m n r v x m t o n n r
x | m n u ' n m l N ð ± x " w x u x w p n | " ~ n x " | y | x n f l ' ~ / y u n j ~ n l u n j | ± x " | y n | ~ x w j u
m j ' j 1

NNI Q... r un~qyr ≤r ..~nyv~s...z n v.~ .s z v~...

U " | y | x n f l ' ~ / " n k ~ r n j w m ~ n | ~ r l n ~ j | n v j r w ± m ~ r p w n m α | j m f ú ~ 1 _ r ' q x " ' ' l x w ~ n w x o y j | n w ~ x | p " j | m j w ~ v r w | ~ ~ q j u w w x ' l | n j ' n ' q n r l x " w j l l x " w l 1 N ð
± x " j | n j v r w | / r ~ n | n l x v v n w m m ' q j ' ± x " j ~ t ± x " | y j | n w ~ x | p " j | m j w ' x
| n j m ' q r ~ V x u l ± l j | n d' u ± j w m x w ± " ~ n x " | ~ n | ~ r l n ~ x | r w α | v j ' r x w y | x ~ m m m
k ± " ~ " r ' q l x w ~ n w x o ± x " | y j | n w ~ x | p " j | m j w l

_ n " r u x w ± " ~ n x | m ~ l u ~ n y n | ~ x w j u r w α | v j ' r x w x o v r w | ~ l x u n l ' n m " r ' q

'qnr| yj|nw~ x| p"j|mj w~ l xw-nw' roj wm'x 'qn n-nw' 'qj' ~'l q " ~n x|
 m~l α~|n r~ yn|v r' nm k± ŷ" x| " n qj -n xk'j rwnm 'qnr| yj|nw~ x|
 p"j|mj w~ n-yul r' l xw-nw/ j w~' l q " ~n x| m~l α~|n r~α| 'qn y" |yx~n xo
 y|x'nl' rwp v rwx|~1

[yxww' r l rwp 'qj' " n qj -n l xunl' nmy n|~xwj urwα|v j' rwxov rwx|~" r' qx"
 'qn y|α| l xw-nw' qxv -n|roj kun yj|nw~" n " ruumun' n ~'l q rwx|v j' rwxj ~
 ~xxwj ~yx~rkun1

R 3 X ur

bx" l j w -r~' q'y~22" " " f't'nl x1xv 2 w2wm-2Nwm-2y|r-j l thy|x'nl' r xw'q'v u
 'x unj|w v x|n j kx"" qx" " n l xunl' / " ~n/ j wm ~nl" |nū~x|n ±x" | yn|~xwj u
 rwx|v j' r xw' Zx tny yj|n " r' q 'qn |jym m-nuxyv nw' xo 'nl qwxαp±/
 j m~' ~v nw xok" ~wn~xy n|j' r xw-/ j wm'x l xyn" r' q l " ~xv n| wnnm~/" n " ru
 l xw~j w'ū mukt n|j' n j wm xy'iv r' n x" | y|r-j l ± y|x'nl' r xw v nj~|n~ j wm
 yxul m~1_ nūxv n 'x -r~' x" | xαl rj u" nk~' n j' j w~' iv n 'x unj|w x" | ŷ' n~
 y|r-j l ±yxul ±1

d A o



Zqn y|xnf l' ~ %l xQqmwntx xy nj' xwj u yn|xnt%|nã| ~ 'x 'qn 'iv n nf |nwp " qrt q' q~
y|xnf l' " ruwx' nt- qj |pn j wë 'x-# x| qj °j |mx" ~ ~ k~j wl n~ " qnw " -nmrwj l l x|nj wl n
" r' q' qn y|n|nz" r' n~nw' qr-v j w' j d

Zqn nl xQqmwntx xy nj' xwj u yn|xm-y nl rãnmã| 'qr-y|xnf l' mxn~vk' rwl d m kj '' n|m~x|
x' qn| l xv yxwnw~ 'qj' j |n nj ~rë " x|w mx" w j wm v " ~ k n yn|xmt j uë |ny y l nm l Zqn
kj '' n|±~nl xQqmwntx xy nj' xwj u yn|xmr~8 ±nj |~1

Qn n q... ...a...p o n-pr n-q urv n~vr

Hxv yxwnw T j v n	Mj °j mx" ~Zx-# Y" k~j wl n2J unv nw					
	Rnj m -k,	S n l " ± -p,	Hj mv r' v -m	Mh-j unW Hq xv r' v -9. ,	Vxuek xv nwj 'nm Gyqnwë-AGG	Vxuek xv nwj 'nm l ry qnweW' qn ~ -GJ J,
Hqy Xn-r~x		o	o	o	o	o
Hqy Hj yj l r' x		o	o	o	o	o
Hqy Nnt' l' x		o	o	o	o	o
l xrm		o	o	o	o	o
JYl l xv yxwnw		o	o	o	o	o
G" °°n		o	o	o	o	o

Fnj y' n		o	o	o	o	o
Yl n" ~	o	o	o		o	o

o nwmfj'n~'qj' 'qn 'x'j u j v x" w xo'x-# l xw nw rw j w' qn qxv xpnwvx" ~ v j' n| rj u- r- knux" 'qn uv r' j ~
 ~ynl ranmwYQZ 44696 53391

nwmfj'n~'qj' 'qn 'x'j u j v x" w xo'x-# l xw nw rw j w' qn qxv xpnwvx" ~ v j' n| rj u- n- nnm- 'qn uv r' j ~
 ~ynl ranmwYQZ 44696 53391

W...rB; 3(xo'qr~y|xmf l' % l x v yxwv ~ j | n v j w' g l " | nm " ~wp wkw0x-# j w m n l xQj mwm# v j' n| rj u- 1 Zqn
 l x v yxwv ~" qrl q l xw j rw' x-# w- x| qj | v d' unuv nw ~ j | n w l u' mmmf' n 'x' qn l " | | nw n l xwv r l x| ' n l qwrl j u
 uv r' j' xw ~" qrl q y | n- nw ' qnl | ny u l n v nw " r' q wkw0x-# v j' n| rj u- x | nuv nw ~1

cPZnl x Nmrf ~|rj uVj |t/Tx165/Nmrf ~|rj uXxj m'

Zj vp-řj Žx" w/l xwpp"j w/Hqrwj 1

Vqxn> ; 9 : 9<0; 543<<<4

Kj — > ; 9 : 88 0; <9356<7

" " " řt'nl x1xv



Hxyžřpq' 5356 cPZJHU HUŸRZI 1F uXřpq' ~|n-n|-nml