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You can read the recommendations in the user guide, the technical guide or the installation guide for OKI OKIFAX 5650. You'll find the answers to all your questions on the OKI OKIFAX 5650 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual OKI OKIFAX 5650
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OKI / Network Solutions
for a Global Society

OKIFAX 5650 Facsimile Machine

**SERVICE
MANUAL**



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Manual abstract:

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...4. @@@@Parts Replacement .
...3.1 Precautions Concerning Parts Replacement .
...3.2 Parts Layout3.3 Parts Replacement Methods .
.....3.3.1 Stepping Motor (Hopping) .
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...3.3.2 TQSB2-PCB 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 312 314 315 316 318 325 326 327 328 329 330 331 332 333 334
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5.1 Interconnection Diagram5.2 PCB Layout 6. Parts List 337 338 339 340 341 343 344 345 346 (Not Categorized) C Second Paper Tray (option) ...
....4.3.1 LCD Status Message List 342 Service Guide OKIFAX 5650 Chapter 0 Introduction Preface Page: 1 This manual is intended to be used for installing
and maintaining OKIFAX5650 facsimile unit. Maintenance of the OKIFAX 5650 is assumed to be conducted at the following levels: 1 Assembly-level
maintenance for mechanical portions Unit-level maintenance for electrical at portions CAUTION: DANGER OF EXPLOSION IF BATTERY IS
INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER.
DISCARD USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS and ATTENTION: IL Y A DANGER D'EXPLOSION S'IL Y A
REEMPLACT Rec. V.29: 9600 bps for use on point-to-point 4-wire leased telephone type circuit ITU-T Rec. V.27 ter: 4800 bps modem for use in PSTN (Public
Switched Telephone Network) ITU-T Rec.
V.21 channel 2: 300 bps duplex modem for PS TN ITU-T Rec. V.17: 2-wire modem for fax application up to 14.4 kbps ITU-T Rec.
V.34: Note: A modem operating at data signaling rates of up to 33,600 bits/s for use on the general switched telephone network and on leased point-to-print
2-wire telephone-type circuits. (21) Transmission speed 1 3 sec. per sheet of ITU-T No. 1 sample document (22) Note: The speed denotes the time interval
corresponding to phase C (message transmission phase) as referred to ITU-T T.30. Protocol 1 ITU-T Rec. T.30 1 OKI special protocols: High-speed protocol
(23) (24) (25) Error correction mode (ECM) Communication mode 1 Half duplex Memory capacity 1 Basic model 1 Optional memory 2.5 byte 2.
0/5.0 M byte memory board can be added. (26) (27) Liquid crystal display (LCD) 1 Two rows of 20 characters for operation guidance, check and various
kinds of information Power source 1 Nominal input voltage 120 VAC for ODA version 1 Nominal input voltage 230 VAC for INT'L version (28) MFP (Multi-
Function Peripheral) function (Option) 1 By installing the optional board (CTR board), the MFP function can be realized: PC Printer Function PC Scanner
Function PC Fax Modem Function Location Programming Function (29) Fax2Net: Provider type (option) The following functions are available: Fax over IP
Fax to E-mail Virtual E-mail Broadcast Web Retrieval Prepaid and Registration Note: For details, see "OKIFAX 5650 Product Specification for Fax2Net".
Note: For details, see "Product Specification for MFP". Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved.
@@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information 1.2 General User's Function (01) Transmit mode 1 Automatic
transmit mode 1 Manual transmit mode Page: 3 (02) 1 1 1 1 1 1 1 1 Receive mode Automatic receive mode Manual receive mode TEL/FAX automatic switchover
mode TAD mode Memory only receive mode Forwarding mode PC receive mode (This function is the standard for Oki Data).
Dual access Voice request Automatic redial Last number redial (Manual redial) Local copy including multiple copies (03) (04) (05) (06) (07) (08) (09) (10) 1
Max. 99 copies of document Sender identification (Sender ID) Personal identification (Personal ID) Polling transmission 1 Feeder polling transmission 1
Memory polling transmission (11) (12) (13) (14) (15) (16) Polling reception Bulletin Poll transmission (when Box number is opened). Selective polling 1 16
boxes Acoustic line monitor 1 5 level selectable Telephone handset (option) Automatic alternate selecting call (FAX No. + FAX No. can be registered in one-
touch keys).
Delayed transmission 1 Delayed broadcast 1 Delayed transmission - 20 specified times (17) Relay broadcast initiate 1 Feeder relay broadcast initiate 1
Memory relay broadcast initiate (18) (19) (20) (21) (22) Subaddress transmission Confidential message transmission (Hopper 1 station) Confidential message
reception 1 16 mail boxes PHOTO mode 1 64 scale gradations G3 sequential broadcast (Memory) 1 Broadcast mode 1 200 stations at maximum 1 Delayed
broadcast mode (23) (24) (25) (26) (27) (28) (29) (30) (31) 1 1 1 1 1 1 No paper/no toner reception Memory-only reception Memory reception even if paper does
not run out Distinguishing Text from picture Page re-transmission (Only in case of memory TX mode) Vertical reduction printing (Reduction rate is from
100% to 75%) Reduction rate is from 100% to 75% (Legal to Letter) Horizontal reduction (RX, Copy: Reduction rate is from 93% to 98%) Smoothing
printing (In case of 8 dot/mm x 3.85, 7.7 or 15.4 line/mm ---> 300 dot/inch x 784 line/inch) 1 Turn off in the PC print mode Programmed key operation ("F"
key + "OT" key) Auto dialing One-touch dialing: 40 locations Two-digit automatic dialing: 150 locations Keypad dialing Chain dialing Mixed dialing Group
dialing: 20 dialing groups (190 locations) Real-time dialing (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (In case of optional handset is
installed or Hook key) Automatic pause signal insertion Manual feeder local copy Telephone directory (Alpha search) dialing TEL/FAX automatic switching
Time and date printing Closed users group (Direct mail rejection) Transmission contrast and resolution control Key touch tone Printer counter display (For
drum, toner, total print) Total page counter (Scan) Quick scanning 3 sec. minimum --> A4 size 3.
85 / mm Time and date setting (45) (46) (47) (48) (49) (50) (51) (52) (53) 1 1 1 1 1 1 1 1 PC interface (option) 1 Standard Language selection 1 2 language
(LCD and Reports) Fax forwarding 4 digit indication of YEAR Memory password programming Fax network programming Fax2Net service Restrict ID
programming Reports Activity report Protocol report (Service man setting) Message confirmation report (Single address or multiple addresses) Broadcast
entry report (Broadcast) Transmission error report Confidential reception report Configuration report Telephone directory Power outage report Log report
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Information 1.



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3 General Maintenance Functions 1) Local tests (01) 1 1 1 1 1 1 Page: 4 Self-diagnosis CPU ROM/RAM check FLASH (/MASK) memory check (Program, Language, Default) Modem version RAM check RAM check (MEMORY board: option) PC-IF board (parallel) check Print test Sensor calibration (Adjustment of scanning level) LED test Tone send test (When NCU board is installed). Multi-frequency (MF) send test (When NCU board is installed). High-speed modem send test (When NCU board is installed). High-speed modem receive test (When NCU board is installed). Tone (TEL/FAX) test (When NCU board is installed).

(02) (03) (04) (05) (06) (07) (08) 2) Technical function 3) System reset 1 1 1 All data clear Location data clear Configuration data clear 4) Default type set 5) PC loading Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information 1.4 General Appearance Page: 5 Figure 1.4.1 shows the general appearance. Figure 1.4.

2 shows the control panel. General Appearance of the OKIFAX 5650 Control Panel Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information 1.5 Basic Performance Specifications Note: Page: 6 TF: Technical function setting FP: Function program setting OT: One-touch key pressed F: SELECT FUNCTION key pressed Table 1.5.1 (1/8) Basic Performance Specifications Table 1.5.1 (2/8) Basic Performance Specifications Table 1.5.1 (3/8) Basic Performance Specifications Table 1.5.1 (4/8) Basic Performance Specifications Table 1.5.1 (5/8) Basic Performance Specifications Table 1.5.1 (6/8) Basic Performance Specifications Table 1.5.

1 (7/8) Basic Performance Specifications Table 1.5.1 (8/8) Basic Performance Specifications Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information Table 1.5.1 (1/8) Basic Performance Specifications No. 1 Item Specifications Page: 7 Applicable line 1) Public switched telephone network (PSTN) 2) Private branch exchange (PBX) (OT9+2) 2 Line interface 1) Impedance 600 Ohms balanced Note: Impedance may differ by the requirement of PTT.

0 dBm to -15 dBm range (Adjustable in 1 dB steps. Technical Setup No. 22) 0 dBm to -40 dBm or -6 dBm to -46 dBm (In case of V.34 TX/RX, -3 to -43 dBm) 2) Sending power level 3) Receiving power level 3 Type of document to be transmitted 1) Width Max. 216 mm (NA Letter) Min. 148 mm (ISO A5 size) Note: Effective reading width is NA Letter 215 mm) Min.

128 mm (5 inches) Max. 356 mm (14 inches) Long document detection: 380 mm, or 150 mm * TF + 10 (To enable or disable the long document scanning) 2) Length 3) Thickness Based on common bond paper a) 0.08 to 0.13 mm for multiple page feeding b) 0.06 to 0.

15 mm for single page feeding Rectangular Documents allowing less than 40% of the scanner source light to pass through them. 4) Shape 5) Opacity Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information Table 1.5.1 (2/8) Basic Performance Specifications No. 4 Item Specifications Page: 8 Effective reading width Document width Communication Mode/Paper width Effective reading width Copy size ISO A4 (210 mm) [INTL/FTZ] NA letter (216 mm) [US/CANADA] NA legal (216 mm) [US/CANADA] G3/A4 208 mm for TX 202.8 mm for local copy 215.

4 mm for TX 211.3 mm for local copy 215.1 mm for TX 211.2 mm for local copy A4 G3/A4 Letter G3/A4 Legal Note: Local copy: Printable reading width in a local copy mode No. 5 Item Specifications Automatic document feeder (ADF) Max. 30 documents: NA Letter or A4 (20 lb./75gm) Max. 15 documents: NA or A4 (16 to 28/60 to 105gm) Documents shall be placed face down on ADF stacker. The first sheet will be fed first in the feeder and will exit face down in the document stacker. 6 Document skew Max.

2.6 mm skew over a document of A4 length. For a document longer than A4 length, occurrence of skew exceeding 2.6 mm over any A4 length is 0.5% or less. 1) Transmission will stop and line disconnection will occur when the end of a document is not detected within 356 mm after scanning begins (except for the long document scanning. TF + 10) 2) A jam will also be declared if the document does not reach the scanning position within 5 seconds after the start of a 7 Document jam detection document feed. Note: When a jam is detected during message transmission from the feeder, the machine will stop scanning and disconnect the line, but its receiving capability will remain valid. 8 Document jam removal Manual release Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved.

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6 mm / 8.5 inch x 13 inch 3) Weight: 16 lbs to 24 lbs/60 to 90 gm base weight Base weight is defined as the weight of 500 sheets of 431.8 mm (17 inch) by 558.8 mm (22 inch) or 1 sheet size 1000 mm by 1000 mm. 4) Thickness: 0.08 mm to 0.12 mm 5) Condition: New paper For the manual loading feeder 1) Type: Plain paper, transparency for overhead projector, colored paper, printer paper 2) Size: A4/NA Letter/NA Legal 3) Weight, thickness and condition: Same as above Note: One single sheet should be loaded on the manual paper feeder for one occasion. For best results use Oki Data recommended papers 1) Xerox 4200 (20 - lb/75 gm base weight paper) 2) L-type paper for photo-printers 10 Recording paper cassette first cassette second cassette Up to 250 sheets/cassette (Oki Data recommended paper) Up to 500 sheets/cassette (Oki Data recommended paper) Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.

okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information Table 1.5.1 (4/8) Basic Performance Specifications No. 11 Item Specifications Page: 10 Effective recording area 1) Printable area inch Letter Size mm A4 Size inch mm 14 inch Legal Size inch mm 13 inch Legal Size inch mm PL PW EL EW T B L 11 8.

5 10.76 8.32 .12 .12 . 09 279.4 216 273.4 211.3 3 3 2.3 11.7 8.27 11.46 8.11 0.12 0.

12 0.08 297 210 291 206 3 3 2 14 8.5 13.76 8.32 0.12 0.12 0.09 355.6 216 349.6 211. 3 3 3 2.3 13 8.5 12.76 8.32 0.

12 0.12 0.09 330.2 216 324.2 211. 3 3 3 2.3 R .09 2.3 0.08 2 0.09 2.3 0.09 2.3 1) Guaranteed printing area Letter Size mm A4 Size inch mm 14 inch Legal Size inch mm 13 inch Legal Size inch mm inch PL PW EL EW T B L R 11 8.



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5 8.0 0.25 0.25 0.25 0.25 279.4 216 266.7 203.2 6.35 6.
35 6.35 6.35 11.7 8.27 11.
2 7.77 0.25 0.25 0.25 0.
25 297 210 284.3 197.3 6.35 6.35 6.35 6.35 14 8.5 13.5 8.0 0.

25 0.25 0.25 0.25 355.6 216 342.9 203.2 6.35 6.35 6.35 6.
35 13 8.5 12.5 8.0 0.25 0.
25 0.25 0.25 330.2 216 317.5 203.

2 6.35 6.35 6.35 6.35 Note: The printable area means the area allowing actual printing at the time of receiving. The guaranteed printing area means the area where the printing quality is guaranteed. These tables do not include vertical and horizontal addressing error (+/- 3 mm) of recording paper. No. 12 Item Specifications Copy stacking The fax can discharge printed copies and stack them face down. Maximum sheets on the copy stacker: 100 Note*: Oki Data recommended paper Copyright 2000, Oki Data, Division of OKI America, Inc.

All rights reserved. @@(<http://bpx.okidata.com>) Service Guide OKIFAX 5650 Chapter 1 General Information Table 1.5.1 (5/8) Basic Performance Specifications No. 13 Item Specifications Page: 11 Scanning resolution Horizontal: 1 300 dot/inch Vertical: Transmission mode: 1 3.85 line/mm (STD), 7.7 line/mm (FINE), or 300 dot/inch, (EX. FINE) (Note: 300 dpi x 300 dpi ; Transmission is available) COPY mode: 1 7. 7 line/mm (FINE) or 300 dot/inch (EX. FINE) 14 15 Image scanning method Contrast control NA Letter size (2592-bit) contact image sensor 1) Automatic background sensing A continuous document background of 0.3 OD (optical density) or less will be transmitted as white. 2) The Light and Dark contrasts will be automatically enhanced to improve image quality. 16 Recording solution Horizontal: 1 300 dot/inch Vertical: 1 Fixed: 3. 85 line/mm (STD), 7.7 line/mm (FINE) 15.4 line/mm (EX. FINE) 300 dot/inch (EX-FINE) 1 1 1 1 17 18 19 Recording system Skew of recording paper Copy darkness Variable: Automatically adjusted to the paper length. 300 to 412 dot/inch 3. 85 to 5.06 line/mm (STD) 7.7 to 10.13 line/mm (FINE) 15.4 to 20.24 line/mm (EX.FINE) Electro-photographic printing 1) 211.3 mm (2496 bit) or 216.7 mm (2560 bit) LED printhead Maximum allowable skew is + or - 1 mm over an advance of 100 mm. 1) Black image: Greater than 1.

2 OD (Optical density) 20 Copy uniformity 2) White background: Not greater than 0.2 OD (Optical density) Printed copies will exhibit a uniform density of the printed and background area: 1) From edge to edge: 25% unit 2) From copy to the next copy: 30% unit The fax can detect the no-paper condition by a photosensor. When the paper has run out in the local copy operation, the scanning will stop with "NO PAPER ... REPLACE PAPER" on the LCD and an ALARM LED turns on without an alarm tone. When the paper has run out while a message is being received and the no-paper reception is activated, the LCD display will show "MSG. IN MEMORY", and the ALARM LED turns on. 21 Recording paper running out Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved.

@@(<http://bpx.okidata.com>) Service Guide OKIFAX 5650 Chapter 1 General Information Table 1.5.1 (6/8) Basic Performance Specifications No. 22 Item Specifications Page: 12 Minimum scan line time for receiving 0 ms, when receiving in ECM mode or from an Oki Data facsimile. 5 ms at 15.4 line/mm or 7.7 line/mm and 10 ms at 3.85 line/mm when receiving from a non-Oki Data facsimile or non-ECM mode. 1) One-dimensional coding scheme: Modified Huffman (MH) 2) Two-dimensional coding scheme: Modified READ (MR) Modified modified READ (MMR) 23 Coding scheme 24 Modem operations 1) High-speed Modem 1 1 1 1 1 ITU-T Rec. V.29 (9600/7200 bps) ITU-T Rec. V.27 ter (4800/2400 bps) ITU-T Rec. V.17 (14400/12000/9600/7200 bps) ITU-T Rec. V.33 (14400/12000 bps) ITU-T Rec. V.

34 (33600/28800 bps) 2) Low-speed Modem 25 1 ITU-T Rec. V.21 channel 2 (300 bps) Fallback Automatic fallback will occur according to the following sequence by FTT, RTN or PPR. Fallback rank Transmission speed Activated by FTT (Times) Activated by RTN (Times) Protocol 1st 2nd 3rd 4th 5th 6th 14400 bps 12000 bps 9600 bps 7200 bps 4800 bps 2400 bps 1 1 1 2 2 1 1 1 1 1 ITU-T V.17 (V.17) ITU-T V.17 (V.17) ITU-T V.17 (V.29) ITU-T V. 17 (V.29) ITU-T V.17 V.27 ter. ITU-T V.

17 V.27 ter. When the last trial fails, the transmitting station sends out a DCN signal to the remote station for disconnection. Note 1: Continuous PPRs for the same partial page within each fallback rank. Fallback rank Transmission speed Activated by PPR (Times) Protocol 1st 2nd 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 28800 bps 26400 bps 24000 bps 21600 bps 19200 bps 16800 bps 14400 bps 12000 bps 9600 bps 7200 bps 4800 bps 2400 bps 1 (Note 1) 1 (Note 1) 1 (Note 1) 1 (Note 1) 1 (Note 1) 1 (Note 1) 1 (Note 1) 1 (Note 1) 1 (Note 1) 1 (Note 1) 1 (Note 1) ITU-T V. 34 ITU-T V.34 ITU-T V.34 ITU-T V.34 ITU-T V.34 ITU-T V.34 ITU-T V.34 ITU-T V.34 ITU-T V.34 ITU-T V.34 ITU-T V.34 ITU-T V.

34 ITU-T V.34 Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(<http://bpx.okidata.com>) Service Guide OKIFAX 5650 Chapter 1 General Information Table 1.5.1 (7/8) Basic Performance Specifications No. 26 Item Specifications Page: 13 Protocol 1) ITU-T Rec. T. 30 2) Oki Data special protocol High-speed protocol The T.30 protocol signal from the transmitting station is sent at message transmission speed instead of 300 bps. Note: In high-speed protocol, 28.8 Kbps are not supported. 27 Image Transmission time 3 sec.

(approx 3.5 sec) /ITU-T No. 1 sample document Note: This speed denotes the time interval corresponding to Phase C (message transmission phase) as referred to in ITU-T T.30. The below table shows the value under the following conditions: Sender IS: OFF High-speed protocol: OFF Transmission mode: Memory Resolution: STD 1 1 1 1 OKIFAX 5650 G3 Procedure Time Image Time Initial Intermediate Final 33600 Standard Fine 8. 5 Sec (V34) 8.5 Sec (V34) 8.5 Sec (V34) 3.0 Sec 4.2 Sec No. 28 29 30 Item Specifications Error correction Communication mode Ringing signal detection ITU-T Error correction mode (ECM) Oki Data ITU-T ECM Half-duplex sensitivity 1) Voltage range 25 to 150 V r.m.s. Inoperative below 10 V Note: This range may differ by the requirement of PTT. 16 to 68 Hz Note: This range may differ by the requirement of PTT.

One-ringing signal or 5, 10 sec, 15 sec, and 20 sec selectable. (F + OT9 + <-- + 11) 2) Frequency range 3) Ring response time Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(<http://bpx.okidata.com>) Service Guide OKIFAX 5650 Chapter 1 General Information Table 1.5.1 (8/8) Basic Performance Specifications Basic Model OKIFAX 5650 Optional memory Page: 14 2.5 M-byte Memory condition 2/4 M-byte OKIFAX 5650 [pages] with option board Standard (without option) 2M-byte 4M-byte 200 360 520 Specifications No. 31 Item Memory capacity (Image memory) 32 Telephone handset (option) Note1: ITU-T No.



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1 sample document is used to count the number of sheets. 2: Memory back-up time is 20 hours (typical and Battery full charge condition) after the power off condition. General telephone function is available while the power is on. Note: In the fax special versions, general telephone is available even when the power is off. 34 Overheat protection The heater of the fuser unit is controlled within the predetermined temperature range by the thermistor.

If the temperature of the heater exceeds the range, the LCD displays "PRINTER ALARM 4". Furthermore, the built-in thermostat in the fuser unit prevents the heater from being overheated even in the event of the failures in the above temperature control circuit. 35 PC interface applications (Option) The following three modes are supported: 1) PC local printer function 2) PC scanner function 3) PC FaxModem function Note: This function will be supplied as the OKIFAX 5650 option in case Oki Data can get the approval in respective countries without modifying the optional unit. For details, see OKIFAX 5650 product specification for MFP. Hardware is standard and software is option for Bi-Centro interface.

36 Fax2Net: Provider type (Option) 37 Power supply unit and power consumption of the machine The Fax2Net service is facsimile communication service using the Fax2Net-supplied internet, of the Fax2Net-supplied functions, the following six functions are supported in the OKIFAX 5650. 1) Fax over IP 2) Fax to E-mail 3) Virtual E-mail 4) Broadcast 5) Web Retrieval 6) Prepaid Registration Note: For detail, see product, specification "Fax2Net specification" Power consumption of the machine (Typical power) INT'L version (230V) USA/Canada version (120V Transmit Receive Local copy Standby (Power Save OFF) Standby Power Save ON) 22W 355W 360W 9W 22W 355W 360W 9W 0.5W n/a No. 39 Item Specifications Ambient condition Temperature: The machine will operate as specified in the Temperature range of 10 Celsius to 32 Celsius. Operation outside this range will be subject to the limitations shown in the following table. Humidity : The machine will operate as specified at relative humidities in the range of 20 percent to 80 percent (non-condensing). Operation outside this range will be subject to the limitations shown the following table. 1. Storage conditions specified above apply to the machine in packed condition. 2.

Temperature and humidity must be in the range where no condensation occurs. In operation Power off mode During Storage unit Temperature Humidity Maximum web bulb temperature Minimum difference between wet and dry bulb temperature No. 40 Item 50-90 (10-32) 20 - 80 77 (25) 35.6 (2) 32-110 (0-43) 10 - 90 80.4 (26.8) 35.6 (2) 14-110 (-- 10 - 43) 10 - 90 - _F (_C) % RH _F _C _F _C Specifications Dimension (Main body) 41 Weight (Main body) 42 Attachment (to the main body) 1) Width: Approx. 330 mm 2) Depth: Approx. 420 mm 3) Height: Approx. 245 mm Approx.

13 kg Excluding optional units, recording paper and packing materials. 1) AC power cord - 1 2) I/D unit - 1 (Already installed) 3) Toner cartridge - 1 4) Telephone handset - 1 (option) 5) Curled cord and Telephone cord for (4) - 1 (option) 6) Document stacker - 1 7) Line cord - 1 8) One touch sheet - 1 (Already installed) 9) User's Guide - 1 Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information @1.6 Reports and Lists Page: 15 The following table shows Reports and Lists Specifications. Note: F +OT: Press FUNCTION and One-touch key FP: Function program setting TF: Technical function setting No. 01 Item Call-back message Specifications 02 Sender ID The transmitter sends a call-back message to the receiver only when the receiver does not respond to voice request of the transmitter. The fax can transmit a programmed alphanumeric message, such as company's name, consisting of up to 32 characters.

This is an FCC Requirement in the United States. * (Outside only) 03 04 05 Transmitting subscriber identification (TSI) printing Cancel report (Power outage report) Activity report 06 Message confirmation report 07 08 Broadcast entry report Broadcast Rx report 09 10 Confidential reception report Telephone directory Received TSI can be printed at the top of the received page. * TF + 05 (To enable or disable this function). The fax can automatically print out a power-outage report when the power off condition occurs. The fax can print out an activity report manually, or automatically, when 30 communications are recorded. * REPORT PRINTOUT +1 (Manual printout) The fax can print out a message confirmation report manually or automatically in the following cases. (1) When COPY key is pressed after a single location call, this report can be printed. (Manual printout) * FP + 01 (To enable or disable automatic printing). The fax can print out a broadcast entry report if specified during operating sequence of a broadcast. The fax can print out a broadcast confirmation report manually or automatically.

* COPY key (Manual printout): Pressed after a broadcast. * REPORT PRINTOUT + 2 (Manual printout) * FP + 02 (To enable or disable automatic printing). The fax can print out this report automatically on completion of a confidential reception. This directory is printed manually. (REPORT PRINTING +3) Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information Call-back Message (Example) Page: 16 (1) Date and time (2) Sender ID (3) CSI/Personal ID (4) Letters "PLEASE CALL BACK" (5) Sender ID (6) Sender's call back telephone number Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved.

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okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information TSI Printing (Example) Local Date and Time Printing (Example) Page: 18 Note: TSI printing (TF+05) Local date and time printing (TF+04) Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved.

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(8) Identification of the remote station Personal ID/Location ID/TSI/CSI/Dial number or space (9) Communication mode: CALLING CALLED B. C. BOX=XX FWD-R FWD-T (Transmission) (Reception NG or MEMORY RX) (Broadcast) (Confidential reception) (Fax Forwarding RX) (Fax Forwarding TX) (10) Number of transmitted pages or received pages (11) Result code OK (Note 1)/NO/STOP (Note 2)/BUSY/PAPER (Out of recording paper)/S_JAM (Document jam)/R_JAM (Recording paper jam)/COVER/COMP (Completion of a broadcast)/PUNIT (Printer Alarm)/CANCL (Confidential reception T.O.

) Note 1: The following cases are included: 1 Unmatched handshaking to the received NSF. 1 Unmatched password to the received NSC in the polling transmission mode. Note 2: The following cases are included: The STOP key is pressed. 1 The memory cancellation operation removes the message from the active memory files. (12) Service code Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information Message Confirmation Report Message Confirmation Report Format (1/2): (Example) Page: 21 Message Confirmation Report Format (2/2): (Example) Explanation of Example (1) Title of the report (2) Date and time when the report was printed (3) Sender ID (4) Date of transmission or reception (5) Length of time for which the fax was connected to the line (6) Identification of the remote station Personal ID/Location ID/TSI/CSI/Dial number (7) Communication mode Reference to ACTIVITY REPORT (8) Number of transmitted pages or received pages (9) Result of the communication Reference to ACTIVITY REPORT (10) Service code (11) Message Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved.

@@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information Broadcast Entry Report (Example) Page: 22 Note: When the number of printed line exceeds Max. 70-line, 2nd page is printed out. * 1: Identification of remote station Personal ID, TSI, Location ID or Dial Number (Printing in this order depending if information is programmed in remote fax machine). Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information Broadcast Confirmation Report (Example) Page: 23 Note: When the number of printed line exceeds Max. 70-line, 2nd page is printed out. Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information Confidential Rx Report (Example) Page: 24 Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information Telephone Directory (Examples 1 through 6) OKIFAX 5650 Page: 25 Number of OTs Number of ADs Number of groups Max.

number of digits of OT/AD Tel. No. Max. number of digits of OT OR Tel. No. Max. number of digits of Email/Web Communication parameter G3-ECHO G3-RATE MODE 40 150 20 40 40 64 (Alphabetic small letters can be printed). All OT/ADs excluding Email/Web registered OT ON/OFF 4.8K/9.6K/14.4K/28.8K/33.6K G3 OKIFAX 5650 1st page 2nd page 3rd page 4th page 5th page 6th page 7th page 8th page OT1-30 OT31-40 + AD 01 - 45 Ad 46-110 AD 111-150 Group 1 - 5 Group 6 - 10 Group 11- 15 Group 16 - 20 Report is output for registration pages corresponding to the above list. Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved.

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7 Configuration 1.7.1 Print conditions Page: 34 1) Setting by user Two pages shall be printed out. Setting only is printed on the first page and Dial Parameter setting, SYSTEM DATA PRG. and Fax2Net/ISDN registrations are printed on the second page. 2) Setting by service persons Printed as the third page when Service Bit = ON. <First page> 3) 06: MONITOR VOLUME "OFF," "LOW," "MIDDLE," "HIGH-MID," and "HIGH" are printed. 4) 13: PAPER SIZE When 2nd tray is mounted, "13:PAPER SIZE (1st/2nd) is printed out. Example: "A4/LETTER", "A4/A4", or "LETTER/A4" are printed out. "A4", "LETTER", "LGL13", "LGL14", "A5", "A6", "JIS-B5" 5) 28: TONER SAVE "ON," and "OFF" are printed.

6) 29: CNG COUNT "1" - "5" are printed. 7) 30: ISDN DIAL MODE (not applicable) "G4," and "G3" are printed. Left blank when no ISDN board is mounted. 8) 31: SPEECH RECEIVE "ON," and "OFF" are printed. Left blank when no ISDN board is mounted. <Second page> 9) DIAL PARAMETER: All parameters are printed when Service Bit = ON. Some parameters are left blank depending on the Country Code (XPARA bit) when Service Bit =OFF. 10) TEL NO.: Up to 20 digits are printed. 11) CALL BACK NO.

: Up to 20 digits are printed. 12) FORWARDING NO.: Up to 40 digits are printed for OKIFAX 5650. 13) SERVER TEL NO.: When FAX2NET FUNCTION is set to ON, up to 40 digits are printed for OKIFAX 5650.

14) ACCOUNT NO.: Up to 14 digits are printed when FAX2NET FUNCTION is set to ON. 15) PREFIX NO.1 - NO.3: Up to 10 digits of prefix No. are printed when FAX2NET FUNCTION is set to ON.



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16) ISDN COUNTRY CODE: Up to 3 digits are printed when an ISDN board is mounted. 17) ISDN(G4) NO.: Up to 20 digits are printed when an ISDN board is mounted. 18) ISDN(G4) ID: Up to 10 digits are printed when an ISDN board is mounted. 19) ISDN SUB NO.: Up to 19 digits are printed when an ISDN board is mounted. 20) ISDN CALLED NO.: Up to 20 digits are printed when an ISDN board is mounted. 21) Dial parameters other than REDIAL TRIES, REDIAL INTERVAL, PBX LINE, AUTO START, and DIAL PREFIX are left blank when an ISDN board is mounted and Service Bit = OFF.

22) 33: V.34 TX RETRY "ON," "OFF" are printed. 23) 34: SYMBOL. RATE "2400," "2800," "3200," and "3429" are printed. 24) 35: LEASED LINE "ON," "OFF" are printed. 25) 36: CED SEND "ON," "OFF" are printed. 26) 37: FAX2NET FUNCTION "ON," "OFF" are printed. 27) 38: TOP FEED "-10MM," "-9MM," "---," "0MM," "+1MM" "---" "+9MM" 39: BOTTOM FEED "-2MM," "0MM," "+1MM" "---" "+10MM" 28) 40: G3/G4 LEARNING "ON," and "OFF" are printed. Left blank when no ISDN board is mounted. 29) 41: LLC CHECK "ON," and "OFF" are printed.

Left blank when no ISDN board is mounted. 30) 42: G3 SETUP BC "3.1K AUDIO" and ":SPEECH" are printed. Left blank when no ISDN board is mounted. 31) 43: G3 FALLBACK CAUSE Out of the following 54 service codes, only the codes corresponding to G3 fallback are printed.

Service codes excluding fallback are left blank. Left blank when ISDN board is not mounted. BA01 BA02 BA03 BA06 BA07 BA10 BA11 BA12 BA13 BA15 BA16 BA1A BA1B BA1C BA1D BA1E BA1F BA22 BA26 BA29 BA2A BA2B BA2C BA2F BA31 BA32 BA39 BA3A BA3F BA41 BA42 BA45 BA46 BA4F BA51 BA52 BA53 BA54 BA55 BA56 BA58 BA5B BA5F BA60 BA61 BA62 BA63 BA64 BA65 BA66 BA6F BA7F BB01 BB07 Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.

okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information Configuration Report P1 Page: 35 Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information Configuration Report P2 Page: 36 Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information Configuration Report P3 Page: 37 Copyright 2000, Oki Data, Division of OKI America, Inc.

All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information Activity Memory Files Page: 38 Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information Protocol Dump Page: 39 @@@@JM information is moved in the arrangement of CM information. 00 is printed always since the received SID on the 2nd page is invalid. Service Guide OKIFAX 5650 Chapter 1 General Information 1.

8 Self-Diagnosis Report Note: ISDN not applicable for this OKIFAX unit. Page: 40 1) The following self diagnosis results are always printed. 1 1 1 CPU - ROM, FLASH - PROGRAM / LANGUAGE / DEFAULT version read and hush check. CPU-RAM, FLASH - RAM read/write check Image processor LSI RAM check Setting DEFAULT TYPE and reading clock at self diagnosis execution. 2) The following printing differs depending on the condition of option provided or not.

*1 "4M" is printed for OKIFAX 5650. *2 Printed only when MFP option is provided. "MFG:," "MDL:," and "DES:" information is printed out of ID character strings of PnP device. Small letters can be printed. The maximum number of each of letters and characters shall be 45.

*3 Printing is available for OKIFAX 5650 only when option memory is mounted. ("2M" or "4M") *4 Printed only when ISDN option is provided. When performing self diagnosis, ISDN board test is executed and its result (error information at power on is partially adopted) is printed. The print contents at ISDN error are as shown below. nn=01: Waiting PC loading When turning on power, BOOT2 signal from HOST side was in PC loading mode. nn=02: Board faulty When turning on power, PROGRAM HUSH of ISDN board was no good. nn=03: Board faulty Initial sequence between boards was not executed in spite of elapse of 10 seconds after turning on power. (Status window did not obtain normal value.) nn=04: Board faulty Initial sequence of ISDN LSI was not executed when turning on power. (No response to command, Response no good) nn=05: ISDN LSI faulty ISDN LSI test function (ROM/RAM test, loop test) resulted no good.

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@@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information Polling TX Page: 43 Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information Polling RX Page: 44 Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information Function Combinations during Communications Page: 45 *1: It is possible after the end of scanning. *2: Remote locations are not displayed. *3: IN case of Non-ECM mode. *4: Session number is available. *5: Depending on the conditions of memory available. *6: TSI/CSI and Personal ID are not displayed. Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved.

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com) Service Guide OKIFAX 5650 Chapter 1 General Information Default Setting of Dial Parameter Page: 51 Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information Plug & Play ID Page: 52 Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 1 General Information XPARA Bit Page: 53 *1: LANIER Special Settings ("0": User setting are possible. "1": User setting are impossible.

) 1 1 1 1 CLOCK ADJUSTMENT TSI/ CSI TIME/ DATE PRINT TSI PRINT SYSTEM RESET (ALL DATA, CONFIG. DATA, LOCATION DATA) *2: for TBR21 - DT detect mask - ("0": Normal operation "1": Both User and Serviceman should make operation impossible) Table 1.13 (2/2) XPARA Bit Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 2 Installation Procedures 2.0 Setup Information 2.1 General Information 2.2 Initial Settings 2.

3 Installation and Optional Units Page: 54 Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 2 Installation Procedures 2.

1 General Page: 55 The following flowchart outlines the installation procedure. Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.

com) Service Guide OKIFAX 5650 Chapter 2 Installation Procedures 2.1.2 Site Selection Precautions for Installation (01) Fluctuation in line voltage 1 120VAC (102V to 127V) 1 230VAC (198V to 264V) Page: 56 (02) (03) (04) (05) (06) Room temperature 50 to 90°F (10 to 32°C) Humidity 20 to 80% RH Operating environment Pressure: Equivalent to altitude of 2500 m (8,020 feet) and below. Exposure Within five minutes at luminous intensity 2,000 lux (with the staker cover opened). Required space for installation The facsimile requires the space as shown below for safety and good operability. (07) (08) Levelness of installation surface 1 degre max. Other requirements 1 1 1 1 Avoid installing in any of the following places: A place exposed to direct sunlight A place near a heat source or exposed to vibration A dusty place A place in the atmosphere of acid gas, or steam etc., A place exposed to quick temperature changes 1 This space is necessary for handling the handset. (option) 2 This space is necessary for removing the recording paper cassette. 3 This space is necessary for installing the document staker and to allow space for the fan exhaust.

Note: Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 2 Installation Procedures 2.1.3 Unpacking Unpacking Procedure 1 Page: 57 (01) Remove tape on the top of the carton box and open its cover. (02) Take out the accessory box from the carton box. (03) Take out the machine with plastic wrapper from the box. Unpacking Procedure 2 Unpacking Procedure 3 Copyright 2000, Oki Data, Division of OKI America, Inc.

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4 Check of Contents Page: 58 After having taken out the machine and accompanied accessories from the carton box, check the contents according to the following list: Contents List Item No. Name Q'ty Remarks 1 2 3 4 5 6 7 8 OKIFAX 5650 machine AC power cord Image Drum Unit Toner cartridge Document staker Line cord One touch sheet User's Documentation 1 1 1 1 1 1 1 1 Already installed. Already installed. volume Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved.

@@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 2 Installation Procedures 2.1.5 Installation of Attachments (01) Items 1 1 1 1 Page: 59 Image Drum (ID) Unit (already installed) Toner cartridge Recording paper Document staker (02) Procedure 1) Toner cartridge 1 1 1 Peel off the fixed tape attached to the copy staker. Open the document table and copy staker. Take the cushion out of the ID unit. Toner Cartridge Installation 1 Take out the toner cartridge from the damp proof bag, shake it five or six times as shown in the illustration to eliminate the toner deflection, and peel off the seal gently. 1 1 1 Ensure that the plastic tab on the right-hand side of the toner cartridge recess lines up with the groove on the toner cartridge. Press down on both ends to make sure the cartridge is fully seated.

Push the blue tab forward until it stops. 1 1 Clean the toner scattered in the vicinity of the toner cartridge using a cloth moistened with cold water. Do not use hot water since it makes the toner stick there. Close the copy staker until the buttons have been locked completely. (03) Recording Paper Cassette Installation Note: About 250 sheets of 20 lb. paper can be set in the recording paper cassette. 1 Remove the paper cassette from the facsimile by pulling the cassette tab. 1 1 Sheets must not exceed the paper full marker of the new paper limit indication. If excessive sheets are set, it will cause paper jams. After loading the new paper, push it forward into the slot at the front of the facsimile until it locks.

(04) Document Staker Installation 1 Place the document staker into the hanging position. Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.

com) Service Guide OKIFAX 5650 Chapter 2 Installation Procedures 2.1.6 AC Cord Connection Page: 60 The power supply is provided as follows. Nominal input voltage 120VAC (Voltage range 102 to 127VAC) Nominal input voltage 230VAC (Voltage range 198 to 250VAC) Check whether the AC voltage of your input is within the above-mentioned voltage range. If so, check that the power switch is turned OFF.

After turning off the power switch, connect the female plug of the AC cord to the machine. Insert the male plug of the AC cord to the inlet receptacle. Turn the power switch ON. Verify that the display shows the "(Time)" message indicating the standby mode. Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @@(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 2 Installation Procedures 2.1.

7 Telephone and Line Connections (1) Procedure 1 Page: 61 Connect the lines. Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved.

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1 General Procedure Key Operation 2.2.2 Technical Functions 2.2.3 Technical Functions Example 2.

2.4 Technical Default Settings (1/2) 2.2.5 Technical Default Settings (2/2) 2.2.6 TEL/FAX Automatic Switching 2.2.7 TAD Mode 2.2.8 Technical Functions Example 2.

2.9 Table G3 Fallback Object Service Code List 2.2.10 User Functions 2.2.11 User Functions Example 2.2.12 User's Functions Table Page: 63 Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @(http://bpx.

okidata.com) Service Guide OKIFAX 5650 Chapter 2 Installation Procedures 2.2.1 General Procedure of Key Operation Page: 64 Figure 2.9.

1 below shows the general procedure of key operation. When the machine is in POWER SAVE MODE, the machine returns to standby mode by pressing the START key. *1: In case of Germany, Austria and Switzerland version, ACTIVITY REPORT message does not appear on the LCD display. *2: User can read no. of counter in LCD but can not clear.

*3: User can not select in some countries. *4: When the service bit is set to OFF, ERR. REPORT (MCF.) of No. 03, RING RESPONSE of No. 11, DISTINCTIVE RING of No. 12 and POWER SAVE MODE of No. 18 are bypassed to the next function No. in some countries. : Effective if the service bit is set to ON.

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The detailed procedures of the initial setting items will be explained on the following pages. Note 1: S-ON: Effective if the service bit has been set to ON. FP: Function program setting TF: Technical function setting Note 2: The fonts displayed on the LCD operation panel may differ from fonts written this manual. Technical Functions Table TEL/FAX automatic-switching TAD mode flow chart Copyright 2000, Oki Data, Division of OKI America, Inc. All rights reserved. @(http://bpx.okidata.com) Service Guide OKIFAX 5650 Chapter 2 Installation Procedures 2.2.3 Technical Functions Table Page: 66 This table shows the initial setting items and their purposes.

The default settings may differ by country. Each item can be accessed by entering the corresponding service number on Technical Function. Note: ISDN not applicable for this OKIFAX unit. Note: S-ON: Effective if the service bit has been set to ON. FP: Function program setting TF: Technical function setting T.F. No. Item Specifications Default 01 Service bit 02 Line monitor control 03 Country code 04 Time and date print Switching serviceman/user operation. ON : Service personnel's features are available. OFF : Service personnel's features are not available.

Enables or disables the following functions: l Drum (Total) and toner counter clear l Dial parameters Enables or disables continuous monitoring of phone line for technical troubleshooting. One Touch Key 09, Item 06, Monitor Volume (Section 2.9.4) selects the loudness of monitoring. ON : Enable OFF : Disable Example: In case of transmission mode, the monitor will be available during dialing, but the monitor will be switched off automatically after the elapse of specified time (about 5 sec.). However, when TF02 is set to ON, the monitor is available during communication also. Selecting the following country code: USA, INT'L, GBR, IRL, NOR, SWE, FIN, DEN, GER, HUN, TCH, POL, SUI, AUT, BEL, HOL, FRE, ESP, ITA, GRE, AUS, NZL, SIN, HNG Enables or disables the function of printing local date and time at the top of the received page. OFF/ ONCE/ALL selectable. Note: l Set at receiver.

OFF OFF USA OFF 05 TSI print 06 TAD mode (For external telephone answering device) Switches the function of printing TSI data from remote ON fax onto the received pages. TSI is printed at the leading edge of first reproduced copy. (Set at receiver.) When Technical Function 04 (Section 2.9.2) is set to "ALL", TSI is printed for the all received pages. ON : Enable OFF : Disable (Reference) TSI; Transmitting Subscriber Identification Switches an automatic voice message response to the TYPE2 calling station. TAD mode is of three types (TYPE1/TYPE2/TYPE3). OFF/TYPE1/TYPE2/TYPE3 selectable. TYPE1 means: 1.

RING comes. 2. The TAD answers, returns the recorded voice message in TAD to calling party. 3. The FAX machine will continue to detect CNG signal while TAD works. 4. If the FAX machine detects CNG signal, the fax will go into normal receiving mode. 5. Even though the fax does not detect CNG signal, the fax will go to receiving mode in hook-on condition. TYPE2 means: The operations of No.

1 to No. 4 are the same as those of TYPE 1. 5. If the fax does not detect CNG signal during working of TAD, the machine will go to standby mode. TYPE3 means: The operations of No. 1 to No. 2 are the same as those of TYPE 1. 3. The fax does not detect CNG signal during 15 seconds from TAD operation starting. 4.

The fax starts CNG detection after 15 seconds from TAD operation. If the CNG is detected, the fax goes to the normal receive mode. 5. If the fax does not detect the CNG during TAD operation, the fax goes to standby mode. 07 Real time dialing 08 TEL/FAX switching 09 MDY/DMY 10 Long document SCAN 11 Echo Protection Enables or disables the real time dialing.

3 types selectable. (OFF/TYPE1/TYPE2) TYPE1: Real-time dialing is available when the telephone handset is OFF-HOOK. TYPE2: Real-time dialing is available when the telephone handset is OFF-HOOK or HOOK key is pressed. Enables or disables the TEL/FAX automatic switching. ON : Enable OFF : Disable Refer to Technical Function 23 and Function Program 10, Section 2.

9.4. Switches LCD display and report print from month/day/year to day/month/year or vice versa. MDY/DMY selectable. Switches the function of transmitting long-size document (more than 380 mm). ON : Unlimited (1 Hour) OFF : 380 mm. (14.96 inches) Enables Echo Suppression for poor lines with echo, usually during overseas transmissions. This bit setting controls the following features. ON: Enables OFF: Disables ON MDY OFF OFF 12 MH only 13 High-speed modem rate 14 T1 (TX), timeout value Switches the function of limiting image compression OFF only to the MH codes.

This affects all communications, and should only be used as a last resort. ON : Coding scheme is MH only. When the receiving image data is affected by noise on the telephone line. OFF : Any of MH, MR and MMR. Specifies the modem's starting speed, 33.6K, 28.8K, 28.8 14.4k, 9.6k, or 4.8kbps. Note: The following protocol is added to OKIFAX 5600-Plus: ITU-T standard V.



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34 for 33.6K or 28.8 kbps operation.

Registers the time duration (in seconds) for which the 059 sec. fax waits for the remote station's answer. This timer starts when the last dialed digit has been 15 T1 (RX), timeout value 16 T2, timeout value 17 DIS bit 32 18 Error criterion 19 Off-hook bypass 20 NL equalizer 21 Modem attenuator 22 T/F tone attenuator (for TEL/ FAX SW) sent in the automatic transmission mode. * Selects the 3 digit timer 010 to 255 sec (in one second steps) T1 (RX), timeout value (later) Registers the time duration (in seconds) for which the fax waits for the remote station's answer. This timer starts after the DIS is transmitted, and checked this timer by the transmission timing signal.

If T1 times out, the fax disconnects the line. * Selects the 3 digit timer 010 to 255 sec (in one second steps) T2, timeout value (layer) Registers the time duration (in seconds) for which the fax detects the EOL interval during reception of phase C. The fax disconnects the line when EOL can not detect within T2 timer. * Selects the 3 digit timer 001 to 255 selectable. (in 100ms steps) For example: 060 x 100 ms = 6 s Specifies whether to transmit a bit 32 in DIS. ON : Transmits a bit 32 OFF: Disable Note: Disable only if communication / compatibility problems occur with an older remote machine. Registers the threshold value whether to transmit RTN or MCF signal when the error occurs in received data. 00% to 99% selectable. (in one percent steps) Allows two OKIFAX machines to be connected back-to-back for testing purposes. ON : Enable OFF: Disable Selects equalization for the following cable lengths: 0 km/1.

8 km/3.6 km/ 7.2 km selectable. Note: Relative to 1700Hz for length of 0.4mm diameter cable. Adjusts the attenuation (dB) for the transmit signal power level. Adjusting value is 0 to 15 dB in one dB steps. Since the maximum send signal power level (dB) of the fax is at 0 dB, you can select 0 dB to -15 dB in one dB steps for the send signal power level. 0 to 15 dB. selectable Adjusts the attenuation (dB) for the quasi-ring back tone send signal of TEL/FAX switching. 035 sec 130 sec ON 10 % OFF 0 km 10 dB 10 dB 23 MF attenuator 24 Ring duration detection time 25 CML timing 26 Strobe for LED head Adjusting value is 0 to 15 dB in one dB steps. Adjusts the attenuation (dB) for the send MF tone power level. Adjusting value is 0 to 15 dB in one dB steps. Selects the minimum ring detection time Adjusting time is 100 MS to 990 MS in 10 MS steps. 10 to 99 selectable.

For example: (120 ms) 12 x 10 ms = 120 ms Selects the time from end of ring to CML-ON. Adjusting time is 100 MS to 1900 MS in 100 MS steps. 0 to 19 selectable. For example: (300 ms) 03 x 100 ms = 300 ms Setting of LED print head strobe signals (00000-11111). Selection of strobe width in LED head. "00000" is darkest and "11111" is lightest. This setting should be verified upon initial install of machine, or replacement of main control board or LED Head. Note 1: When the rank marking of the new replaced 3 dB 12 03 10100 LED print head (new part) is same as that of the old used LED print head (old part), you do not always have to set the LED print head strobe signal. Note 2: Intensity ranking is determined by the 1st, 2nd and 3rd digits from the right on the LED print head serial number. (i.e.: 212, 212 is the intensity ranking.) Setting of Technical Function No. 26 T.F.

No. Item Specifications Default 27 Media type 28 Transfer roller latch current NSF Switch This setting can effect minor changes in fusing temperatures to compensate for different paper weights. Selects the recording paper according to its quality. Medium, Medium-heavy and Heavy selectable. Selects the latch current for transfer roller. (-2/-1/0/+1/+2) NSF: signal transmission selectable. ON: Transmits NSF signal OFF: Disables NSF signal Note: When NSF switch = OFF, the fax operation is shown as below. Selects ID/TSI printing in the distant station ID column of the report. ID: Prints NSF signal with personal ID. TSI: Prints TSI signal without NSF.

MEDIUM 29 30 ID/TSI priority 31 Toner Count Clear 32 Parallel Pick-Up 33 V.34 TX Retray 34 35 Symbol rate Leased Line 36 CED Send 37 Fax2Net Function Note: LCD display and Report printing gives preference to TSI/CSI signal than Personal ID. Enables or disables the clear operating of Toner Counter Clear (OT7) without Service bit ON/OFF (TF01). ON : Enables OFF : Disables To control a receiving fax by 2 digits (the same digits as remote reception) from a telephone set connected parallel to the telephone line. ON : To enable OFF : To disable (For the details, see Section 4. 3. Outline of Parallel Pick Up.) Determine whether the V.34 communication error is to be remembered. ON : Remembered OFF : Not remembered Set the V. 34 modem symbol rate. 2400/2800/3200/3429 selectable. Sets to leased line mode for China. When setting to this mode, CML, DP, and SR relays must be always set to ON. Sending on leased line is performed with document ON, no address designation and pressing of the START key. Receiving on leased line is performed by answering automatically when detecting PIS or CNG. ON : Leased line mode OFF : No leased line mode Sets to send CED or not at the time of incoming call. ON : Sending CED OFF : Not sending CED Set up whether to make Fax2Net service. ON : Enable OFF : Disable * The following Fax2Net service can use only when Fax2Net function is set to ON. 38 39 40 Top Feed Bottom Feed G3 Learning 41 LLC Check 42 G3 Setup BC 43 G3 Fallback Cause (54 kinds of service code) Web Retrieval/Broadcasting/Prepaid Registration Adjusts read start position of various machines.

-10 to +9 mm (in steps of 1 mm) Adjusts read end position of various machines. -2 to +10 mm (in steps of 1 mm) Sets up whether to learn G3/G4 communication. ON : Learn OFF : Not learn *Setting disabled if without ISDN option. Determine whether the lower layer compatibility information instructed from the calling side is analyzed. ON : Analyzed OFF : Not analyzed Sets to send speech by BC of SETUP at making a G3 call as there exists an ISDN-PBX which accepts only the incoming call for speech purpose (BC=speech) Speech (for speech purpose) 3.1kHz (for communication Purpose) Enables to select service code for automatic fallback to G3 transmission if G4 transmission is faulty. There are 54 kinds of service codes that can be selected. (Refer to G3 fallback service code list). The service code not selected is dealt with as communication error. Copyright 2000, Oki Data, Division of OKI America, Inc.

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